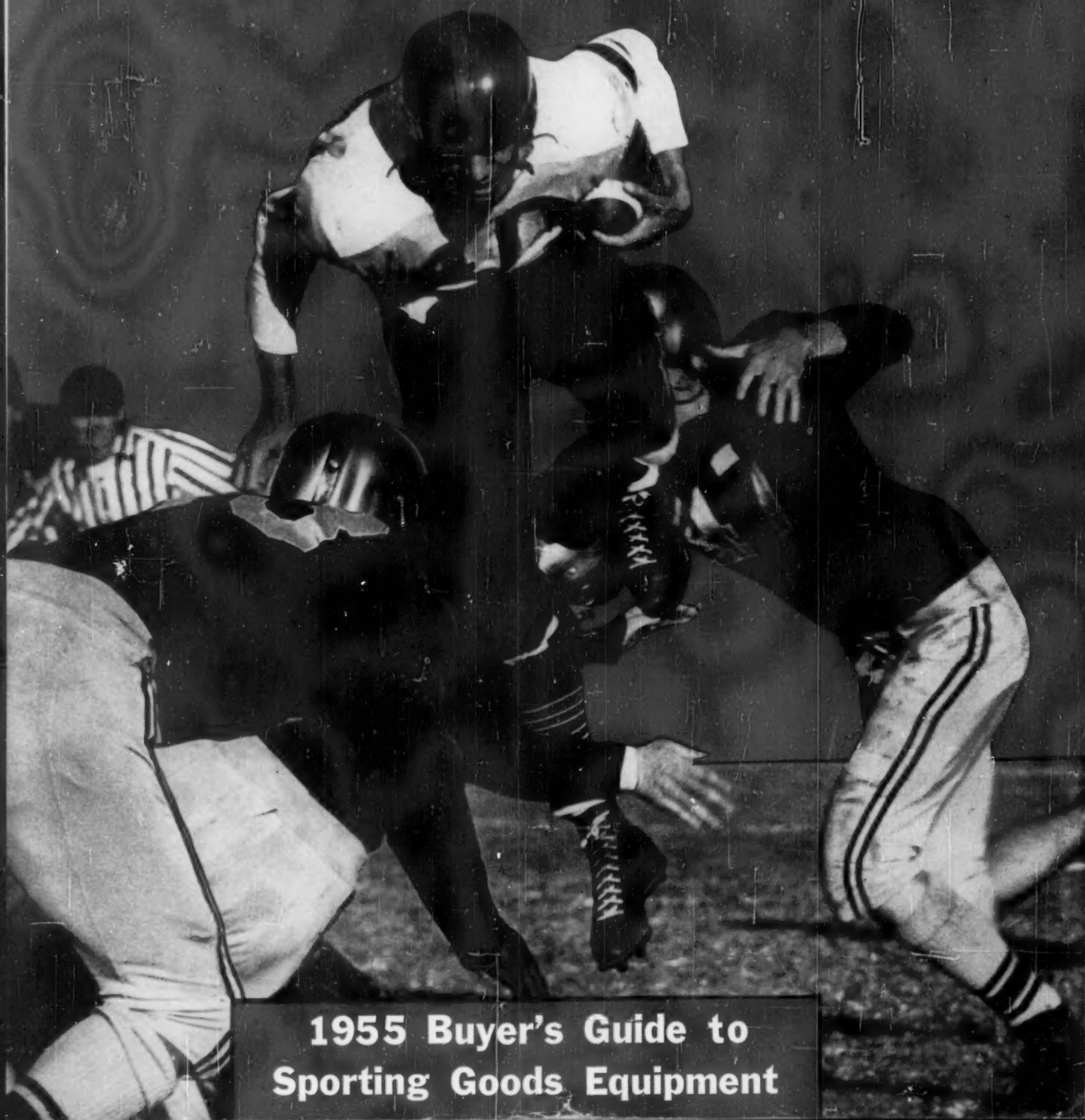


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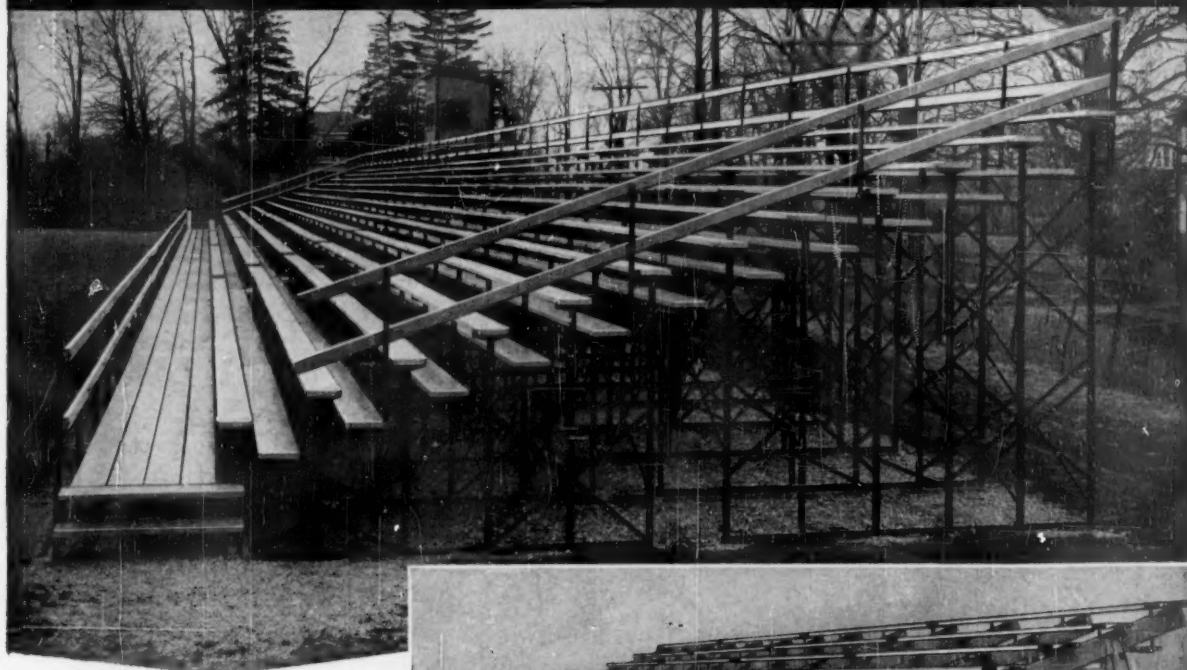
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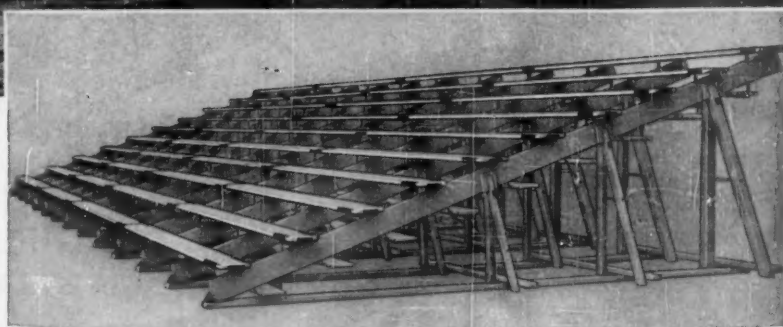
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VOLUME 24 • NUMBER 10 • JUNE

## IN THIS ISSUE

HERE BELOW (Reading Between the Lions)	5
THE "Y" BELLY FORMATION by Joe Dollar and Robert Case	7
T QB MECHANICS, OTTO GRAHAM STYLE	10
PASSING • ORGANIZATION • RIDE PLAYS by Johnnie Golden	12
SIMPLIFIED RULE BLOCKING by Joe Coviello	16
THE FAN HUDDLE by Larry Bruno	20
BUYER'S GUIDE TO SPORTING GOODS EQUIPMENT	21
INDEX TO SCHOLASTIC COACH ARTICLES, 1954-55	35
TAG-RAG FOOTBALL	37
PRACTICE DOES NOT MAKE PERFECT by Don Klotz	38
STALENESS, THE COACH'S BUGABOO	40
GRADUATE WORK FOR COACHES by Don Swegan	42
COACHES' CORNER	44
THREE BASIC ESSENTIALS OF THE SPLIT T by Dick Clausen	46
HEALTH REMINDERS by Henry F. Donn	52
NEW BOOKS	55

Cover Photo: Scholastic-Ansco Photography Awards, Sports, by Lawrence Schiller, La Jolla (Cal.) H. S.

**Publisher • G. HERBERT McCRACKEN**

**Editor • HERMAN L. MASIN**

**Advertising Manager • OWEN REED**

**Art Director • MARY JANE DUNTON**

SCHOLASTIC COACH IS ISSUED MONTHLY TEN TIMES DURING THE ACADEMIC YEAR (SEPTEMBER THROUGH JUNE) BY SCHOLASTIC CORPORATION, M. R. ROBINSON, PRESIDENT, PUBLISHERS OF SCHOLASTIC MAGAZINES FOR HIGH SCHOOL STUDENTS.

ADDRESS ALL EDITORIAL AND ADVERTISING COMMUNICATIONS AND ALL CORRESPONDENCE CONCERNING SUBSCRIPTIONS AND CIRCULATION TO SCHOLASTIC COACH, 33 WEST 42 ST., NEW YORK 36, N. Y.

SUBSCRIPTIONS FOR THE UNITED STATES, \$2 A YEAR, CANADA, \$2.25. FOREIGN, \$2.50. BACK ISSUES: CURRENT VOLUME, 25¢; PREVIOUS VOLUMES, 50¢.

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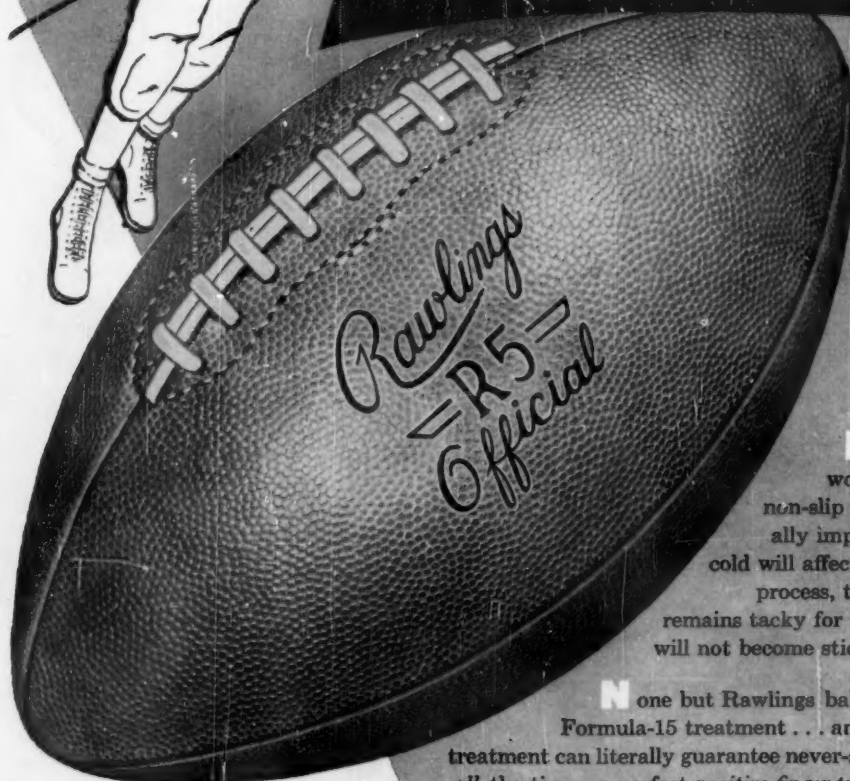




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# Reading between the Lions

**A**FTER nearly 30 years of executive-secretarying for the Amateur Athletic Union, Dan Ferris faces life with Socratic poise and understanding. All the complex problems and controversies of amateur sport roll off his shoulders the way mere mortals used to bounce off Bronko Nagurski.

Only once has his philosophical calm been ruffled. And it took a four-legged problem to do it. One wintry afternoon he was asked to arbitrate this dandy little brain-buster:

Would a high jumper jeopardize his amateur standing by competing against an equine in a professional horse show?

Dan's eyebrows shot up three-quarters of an inch—a full eighth of an inch above the “ultimate” established for the event by Brutus Hamilton—when this poser was dumped into his lap. But he rose to the emergency like a thoroughbred.

“While AAU rules forbid amateurs to compete against pros,” intoned Chief Justice Ferris, “a show horse is not a pro. He is one of our purest amateurs, who competes only for the fun of it. True, he gets his meals and traveling expenses, but this certainly isn’t in conflict with any amateur code.”

Mr. Oliver Wendell Holmes—or Bob Benchley—couldn’t have said it any better.

## BETWEEN THE LIONS

**C**OLLEGE coaching is such a precarious profession that many mentors keep their bags permanently packed under their beds. They may take out a shirt or a sock now and then. But they seldom bother to hang their suits in the closet or stuff their haberdashery away in drawers. They never know when they’ll get that pink slip inviting

them to go away and coach somewhere else.

But this definitely doesn’t apply to Columbia University. In the den of the Lions, coaches are considered people. They don’t have to be particularly polite to alumni and don’t even have to keep a train schedule around the house. They *know* where they’ll be from year to year.

For coaching at Columbia is securer than working in the post office or peddling hot water bottles in Alaska. Nobody gets fired. Win, lose or draw, they keep coaching until they quit or become eligible for social security.

Andy Coakley was baseball coach for 37 years until he retired. Carl Mercer served the track men for 35 years. Jim Murray coached the fencers for 50 seasons. Gus Peterson handled the wrestlers for 33 years. Ed Kennedy coached the swimmers for 45 winters. And Lou Little has been coaching the footballers for 25 years.

You don’t have to read between the Lions to realize what a nice enlightened athletic policy Columbia subscribes to.

## SOME “NICE GUYS”

**O**UR swipe at baseball rowdiness last month evoked a nod of approval from our good friend, Mickey McConnell, former Dodger scouting director now doing such a marvelous job for Little League Baseball.

“It’s high time somebody did it,” Mickey writes, “and keep fighting the good fight. At the same time, how about a tribute to the ‘nice guys’ in the game—the fellows who combine great decency with great talent?”

“My all-star team of ‘nice guys’ would include Kluszewski and Hodges at first; Schoendienst at second; Reese, Dark, Rizzuto, and Kuenn shortstops; Kell, Rosen, and

Cox at third base; Musial, Mays, Mueller, Ashburn, Irvin, and Moon in the outfield; Berra, Campanella, and Crandall behind the plate; and Roberts, Erskine, Conley, and Spahn as the pitchers.

“Many others could be added with a bit of research. But this gives you the idea that there are plenty of decent fellows who are terrific baseball players, too.”

Can you imagine such a lineup of “nice guys” finishing last in *any* league!

## THAT “ATHLETIC HEART”

**I**N his new book *Your Health Today*, Dr. W. W. Bauer does a neat job of dragooning a lot of old wives’ health tales, particularly the one about “athlete’s heart.”

The author points out that there’s virtually no possibility of injuring a *normal* heart—note the emphasis on normal—by strenuous activity. Before irreparable harm can be done to the heart, the legs quit or the will power gives in; so that the heart cannot be damaged.

That’s one of the cardinal principles of activity that was drummed into our head back in our college days (shortly before the Battle of Bull Run), and it’s nice to find it in a book that will be read by a lot of people other than athletes.

Not that it’s particularly important, but Dr. Bauer made an amusing little boo-boo in one of his statements. He writes: “Athletes like Walter Camp, who died relatively young, were cited as examples of the result of athletics on the heart.”

The author might have picked a better example. Mr. Camp, the Daddy of American Football, happened to be 66 when he died! If that’s an example of an athlete dying “comparatively young” there certainly must be a lot of athletic methuselahs tottering around!



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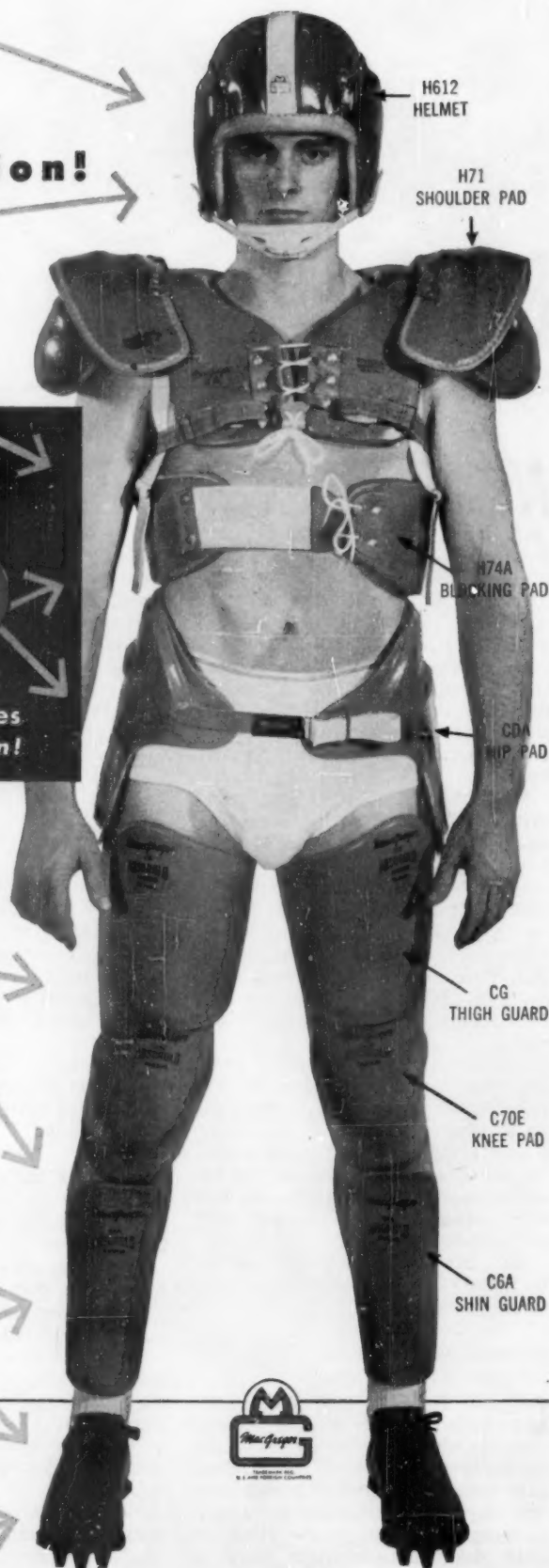
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**T**HE "Y" Formation, as developed at Philadelphia, Miss., represents a new and entirely different system of offense combining the better features of the T and single wing.

The seed for it was sown by the T "belly play." We had been running a single wing—and were happy with it—until we saw the belly play. So impressed were we with it, that we felt obliged to incorporate it into our system. The rest developed naturally. What started out as a single wing belly play, became an entire formation.

The results were positively startling, and we'd like to pass on the idea for what it's worth. If it's any good—and we're extremely optimistic on this score—the future should see it fully developed and exploited.

**Diag. 1** shows the basic alignment. The guards and tackles are tight and the ends are split a yard. The tailback sets up three yards deep directly behind the center, while the left and right fullbacks play directly behind their respective guards, four yards deep. Our blocking back lines up between guard and tackle, one yard deep.

Theoretically, we wanted the blocking back directly behind the center in order to go either way with equal facility. But this obviously was impossible, since the blocking back would then obstruct the center's view of the tailback.

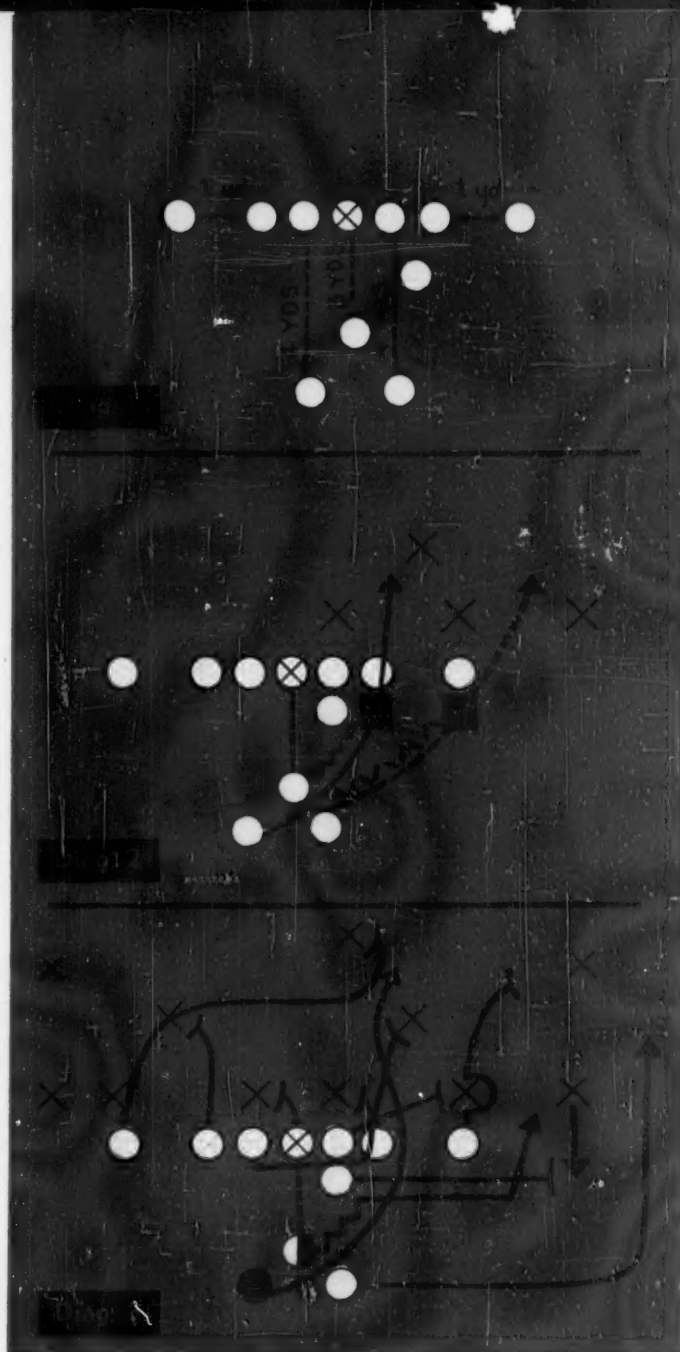
However, we soon discovered that the left guard could do the blocking desired of the blocking back, while the blocking back could do the blocking desired of the left guard. *Practically identical plays can be run to the left or right.*

The line stances and blocking fundamentals are conventional single wing in type. The big difference is that very little double teaming is employed because of such strong fakes.

The backfield stances of the tailback and the two fullbacks are semi-crouch, similar to the positions assumed in the standard single wing. The stance of the blocking back is also similar to that in a standard single wing—a three-point stance.

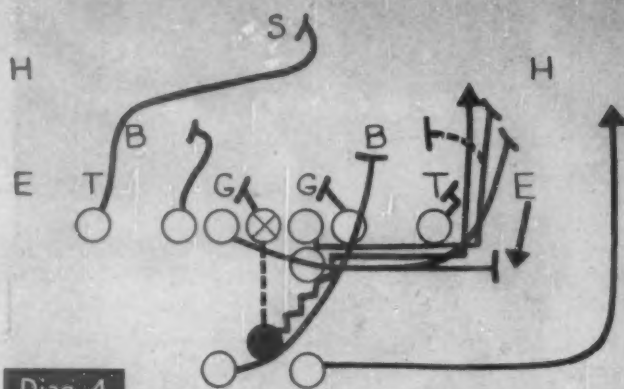
The ball is always snapped to the tailback, who catches it standing perfectly still (no lead) and always begins with a belly play maneuver to one of the two fullbacks, always going to one of four "break" spots—two on the right and two on the left. From the break spots, the different plays develop.

**Diag. 2** shows the two right break

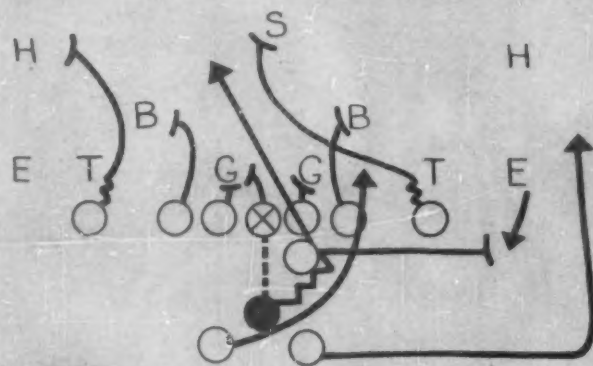


## The "Y" Belly Formation

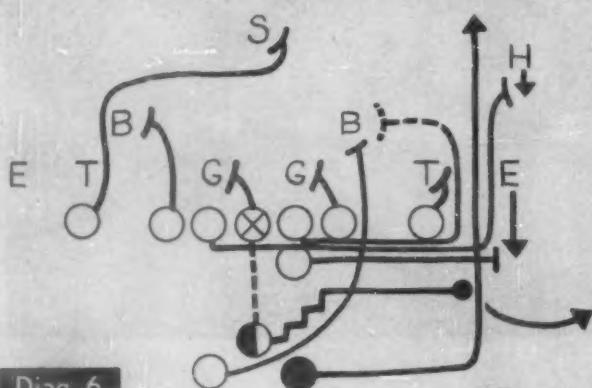
By JOE DOLLAR and ROBERT CASE



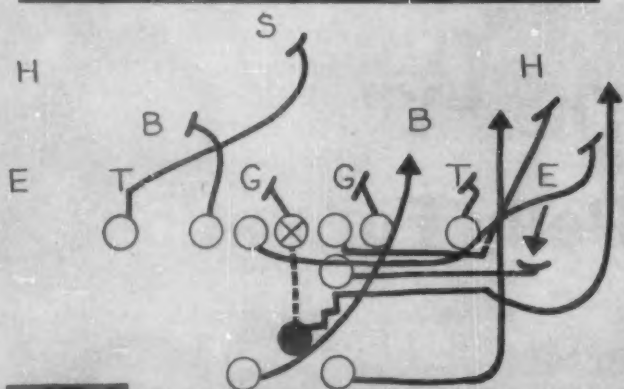
Diag. 4



Diag. 5



Diag. 6



Diag. 7

spots. (We have diagrammed only the plays off the inside break spots, and only against a 6-2-2-1 defense.) The wavy line in the diagram indicates that the ball is in the hands of the tailback and in the arms, next to the stomach, of the fullback.

The tailback, with arms outstretched, is running slightly behind and inside the fullback. Both carry the ball until the break spot is reached. After that, many things can happen. The two break spots are about one yard apart, in the path of two different holes the fullback can hit.

Some of you may be dubious about the tailback and fullback's ability to run along together at full speed in the manner shown. This, of course, takes practice. But it can be achieved with a minimum of effort.

A common mistake of the tailback is to step laterally, instead of toward the line. This will force the fullback wide, particularly on the inside break plays.

When the tailback catches the ball and takes a forward step with his right foot, the fullback should be in position to mesh with him, running low and hard with his left elbow high to permit the tailback to insert the ball into his arms.

Now for some of the basic plays. Since it's manifestly impossible to explain every detail of a system within the confines of an article, we'll confine ourselves to the broad essentials.

**Diag. 3, Buck:** The ball is snapped to the tailback. The left guard—a fast, typical single wing guard—pulls and leads the play up the hole. He stays just one step in front of the fullback, with his body shielding the action of the ball from the left defensive linebacker.

The right fullback bells wide, looking back for a pitchout. The tailback and left fullback mesh together as shown. At the break spot, the tailback gives the ball completely to the fullback, who drives straight down the field, while the tailback breaks to the outside, faking a run.

**Diag. 4, Outside Break:** The right guard pulls around the left defensive tackle and gets the linebacker, while the right end drives the tackle to the inside with the aid of the fake buck. The left guard pulls and leads the play.

All other positions carry out the same assignments as in the Buck,



except that the tailback keeps the ball, cuts sharply to the outside, and then goes between the defensive end and tackle. The right fullback should maneuver into position to accept a lateral from the tailback when the halfback comes in.

**Diag. 5, Inside Break:** The center and left guard double-team the right defensive guard. The right guard, with the help of the fake, takes the left defensive guard to the outside. The right tackle takes the left defensive linebacker to the outside. The right end takes his tackle to the outside. Other positions carry out the same assignments as before, with the exception of the tailback who breaks sharply between the guards after reaching the break spot.

**Diag. 6, Fullback Off Tackle:** The only real difference in blocking from the Outside Break is that the right fullback starts wide but cuts sharply, driving between the defensive end and tackle, and taking a handoff from the tailback on the line of scrimmage.

The tailback must move quickly after leaving the break spot. He starts with a right step, then takes a long left step (laterally down the line of scrimmage), and hands off with his left hand—arm extended. He then fakes a wide run around end with both hands on his right hip, as the fullback drives on down the field.

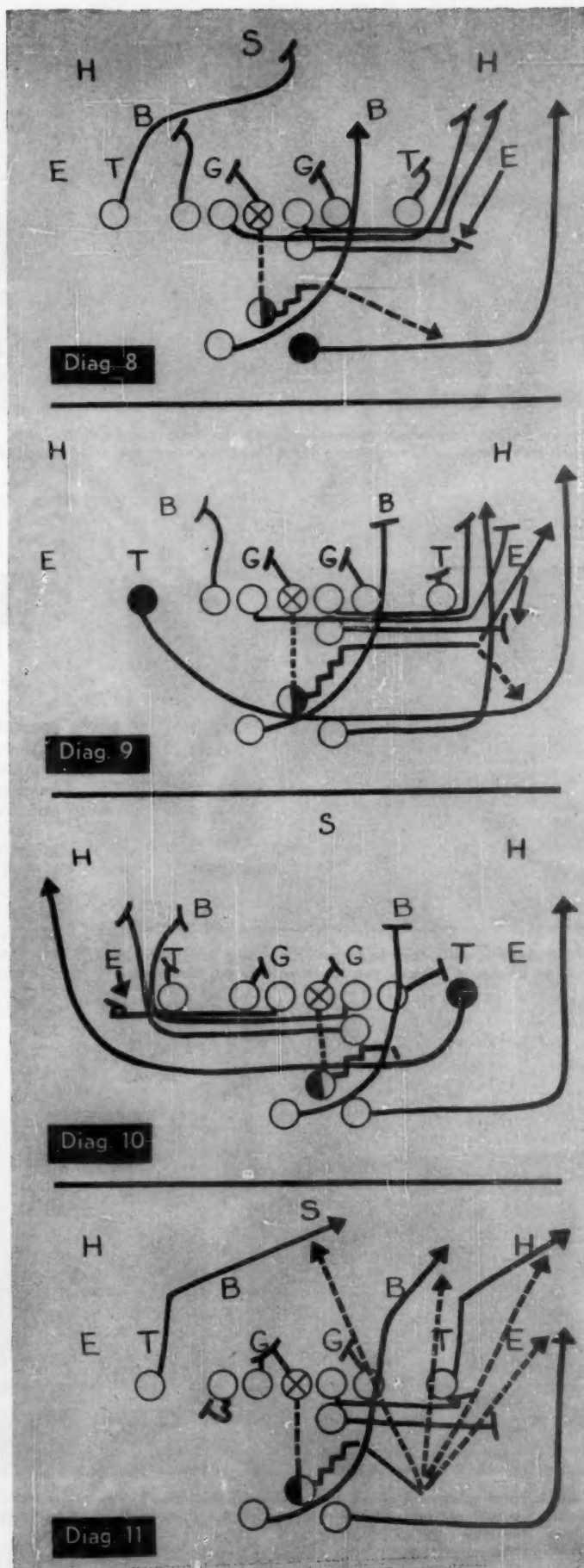
**Diag. 7, End Sweep:** Employs same blocking as Outside Sweep except that blocking back uses a reverse body block and hooks the end to the inside. The left guard and right fullback swing wide after passing the line of scrimmage in order to pick up the tailback. We also pass from this play.

**Diag. 8, Pitchout:** Here we deviate a little from the normal, or cheat. The tailback can take only two steps with the left fullback, which comprises a very weak fake, before pivoting and pitching out to the right fullback. However, the left fullback makes as strong a fake as possible on his own.

Blocking is the same as in the End Sweep, except that the left guard drives the left defensive halfback outside, while the right fullback cuts inside.

**Diag. 9, Option:** The success of this play depends upon the left end. If he's fast, the play should go. He's the type that can be used on the hip

(Continued on page 50)





Position of hands when taking the snap. Thumbs are together, with left hand extended wrist deep into crotch and lower hand (with fingers spread) extended downward at about a 90° angle.



When starting spin, turn head and shoulders first; quick look at backfield permits you to make any adjustments.

## “T” Qb Mechanics,

**C**OMFORT is the first requirement of the T formation quarterback. Spread feet so they line up with armpits, toe of one foot even with instep of other. Stand as close to center as possible with knees slightly bent and weight evenly distributed over balls of feet.

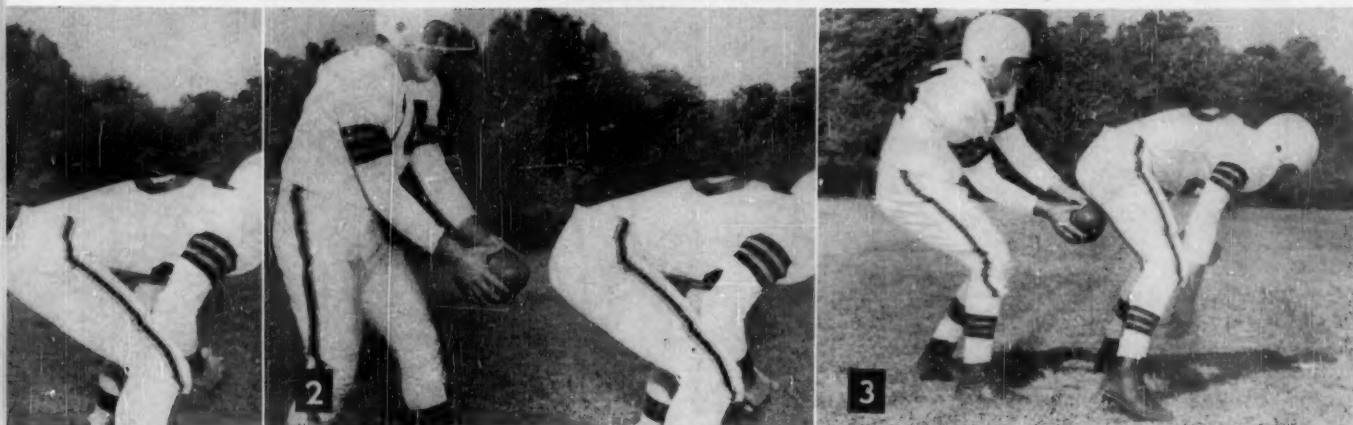
Keep head up and body forward at slight angle. Make sure shoulders are approximately over center's hips. Though most coaches want right hand up, I prefer to take ball with left hand up. At any rate, extend upper hand wrist deep into center's crotch, and apply pressure with it—letting center know where it is at all times.

Fingers of lower hand are spread and extended



Fundamental spins and pivots in the T formation: No. 2 illustrates the one-quarter reverse spin; No. 3 the three-eighths

reverse spin; No. 4 the one-half reverse spin; No. 5 the one-half straight-away spin or cross-over step; and No. 6 the



No. 1 shows correct way to handle ball after taking it from center—bringing it as close to body as possible with elbows

in close to sides. No. 2 demonstrates wrong way, with ball away from body, and No. 3 shows start of push-off after snap.

## Otto Graham Style

Excerpted from the superb technical text, "Otto Graham—T Quarterback," published by Prentice-Hall, Inc.

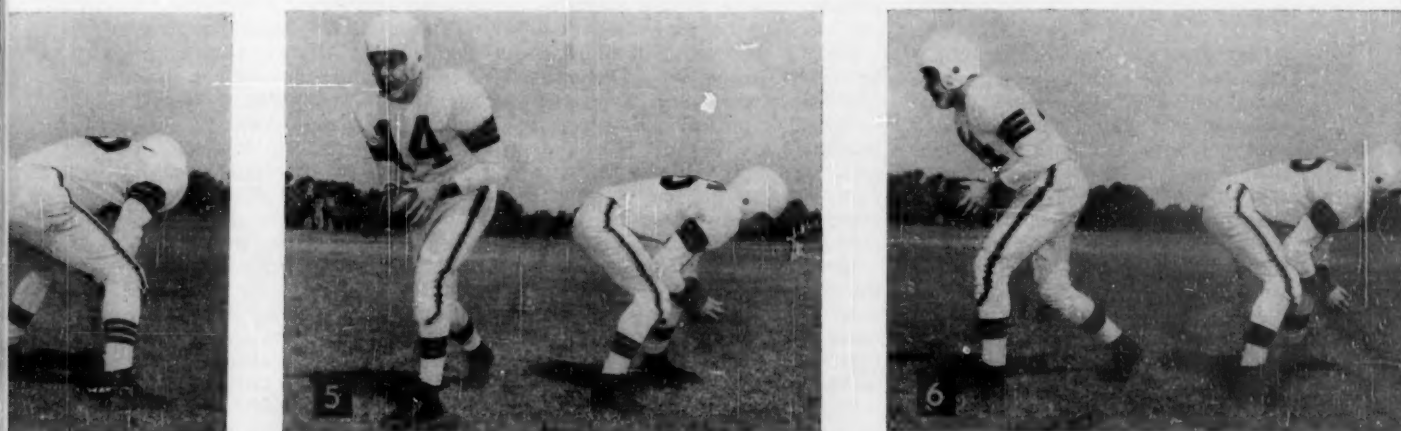
downward at about 90° angle. Keep thumbs of both hands together firmly but not tightly enough to make them fight ball.

When ball smacks against upper hand, lower hand should come up and trap it. Don't grab or snatch for ball. Ball definitely is caught by hands, not merely fingers. Hands follow center briefly as latter charges forward.

Ball must be brought into body immediately, with elbows in very close to sides. At same time, hands should be adjusting ball so it can be passed or handed off, according to play. In short, *keep ball as close to body and as low as possible.*

First phase of footwork is push-off. Raise heel of front foot and give a quick push. Don't bend knee too much. As you push off, shift weight to rear foot. When ball is snapped, turn head and shoulders (before body begins to turn) for quick look at backfield to make any adjustment necessary.

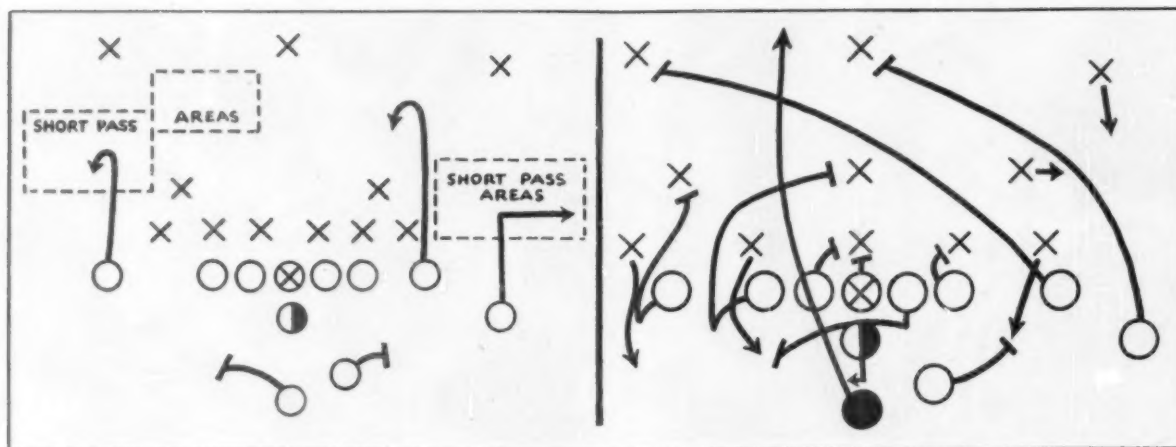
Don't make a production out of pivoting. Keep swinging foot as close to ground as possible and don't swing it in any wider arc than necessary. Point toe of swinging foot in direction you wish to go. But plant foot only *after* swing is completed. Pivot foot will then just naturally follow on around into position for next move.



three-quarter straight-away spin or cross-over step. In all these spins, note how the front foot points in the direction

of the hand-off. The swinging foot is kept as close to the ground as possible, in no wider arc than is necessary.





Diag. 1, Chuck Taylor's standard pass formation.

Diag. 2, fullback pass trap to keep defense honest.

## Passing · Organization · "Ride" Plays

By JOHNNIE GOLDEN

Hanford (Calif.) Union High School

**W**HAT'S the best formula for a winning team? "Recruit like hell . . . and find a good passer or two." That was Chuck Taylor's semi-facetious advice at the seventh annual workshop sponsored by the California Assn. for Health, Physical Education and Recreation at California State Poly.

From the football sessions headed by the Stanford coach and featuring George Bican of McClatchy H. S. of Sacramento and Homer Beatty of Bakersfield Jr. College, this reporter gleaned a pocketful of valuable nuggets.

### TAYLOR ON PASSING

Our theory at Stanford is simply pass, pass, pass! We believe in passing at least 50% of the time and are constantly working on increasing that percentage. Our ideas are as simple as can be—we don't try to fool anyone. We want to get our short passes away in approximately 3 seconds and the long ones in 5 seconds. To fulfill that objective, we can't waste time with QB spins, hiding the ball, fake handoffs, etc.

The success of our attack rests in the short pass. We feel that numerous short throws provide more opportunity for first downs than a series of running plays. We set our ends off, flanker a back, or do both, in order to keep our receivers from

being held up and to force our opponents to cover the three deep zones.

If we can force this action, we feel our receivers will outmaneuver the defenders in the short zones. It's extremely difficult to cover our wide men and employ an eight-man rush.

Our passer generally fades back 6 yards, with our two deep men (best blockers) protecting the outside of the cup defense. Our linemen drop back on pass defense and attempt to block the opponents to the outside. In short, we invite a pressure charge, as this assists us in our blocking assignments.

Diag. 1 shows the standard pass formation employed at Stanford. Our theory may be summarized as follows: To protect deep zones, opponents have to have three deep men. And with all the routes our receivers can run, one of them can generally get open—if the pass is gotten away in 3 seconds.

If the deep men come up to cover, the receivers use the "stop and go" deep pass. If opponents widen defense with linebackers covering flats, we spring line plays sequenced off the passes.

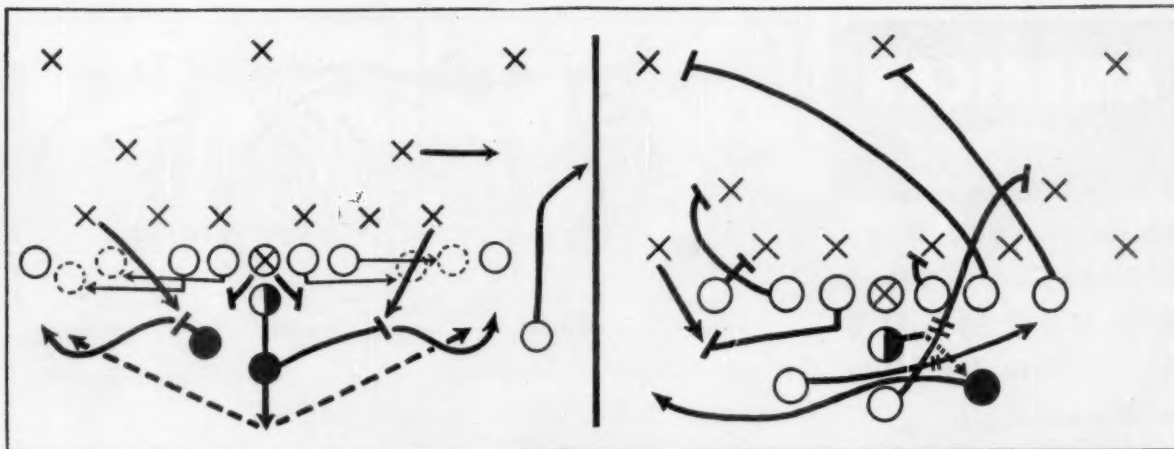
Opponents can cause trouble with an 8-man rush, but this will expose the short flat zones. The defense can't get a balanced rush against

our spread. If receivers are taking a beating by HB's coming up hard just after the pass, we have them go to one knee as soon as ball is caught. Opponents are then subject to possible penalties.

To make our passing game go, we use the usual trap or draw play up the middle, a statue, or a screen pass. Diag. 2 shows a fullback pass trap designed to keep the defense honest, while Diag. 3 outlines our double screen pass. In the latter play, the HB and FB contact the outside defensive men coming across and then roll out behind three-men screens.

The Stanford coach emphasized the thought that a passing team must be able to overlook incomplete and intercepted passes. Two incomplete passes doesn't mean we better try running. It means that we throw two more and change up on our patterns. It also means that the opponent, by being in our receiving areas, is weakening himself in some other spot. We must then go for that territory.

The best blocking drill we can recommend is to pair off one lineman (defense) against the other (offense), with the latter striving to neutralize the former for 5 seconds. The offensive blocker tries to control the defensive opponent (keep him out of the play) in a rectang-



Diag. 3, Stanford U.'s double screen pass.

Diag. 4, right half reverse off the Split T.

ular area three yards wide and two yards deep.

In our full scrimmage drill, we go at top speed. Again, short passes must be thrown in 3 seconds and long ones in 5. If the offense fails to get its passes off in these specified intervals, the defensive team is awarded points.

In summing up, Taylor answered several questions in this manner:

Pass blocking is easier to handle than ordinary running play blocks, as the defensive man must always come to the blocker.

Two receivers are sufficient on most pass plays, and often, such as on a sideline pass, only one receiver is necessary.

Short passes are much less of a gamble than the long ones with men moving rapidly downfield or diagonally across field.

George Bican, highly successful coach at C. K. McClatchy H. S., offered some ideas on the organization of practice and blasted several

theories of "trends," especially those dealing with the Split-T.

Fundamental drills and calisthenics present a huge waste of time if not properly selected. Calisthenics should be limited to a few which develop the body parts needed for drive, contact, and follow through in blocking and tackling. The common "spread eagle," where the player jumps up and down, spreading his legs apart and clapping hands overhead, could be done a thousand times without any value.

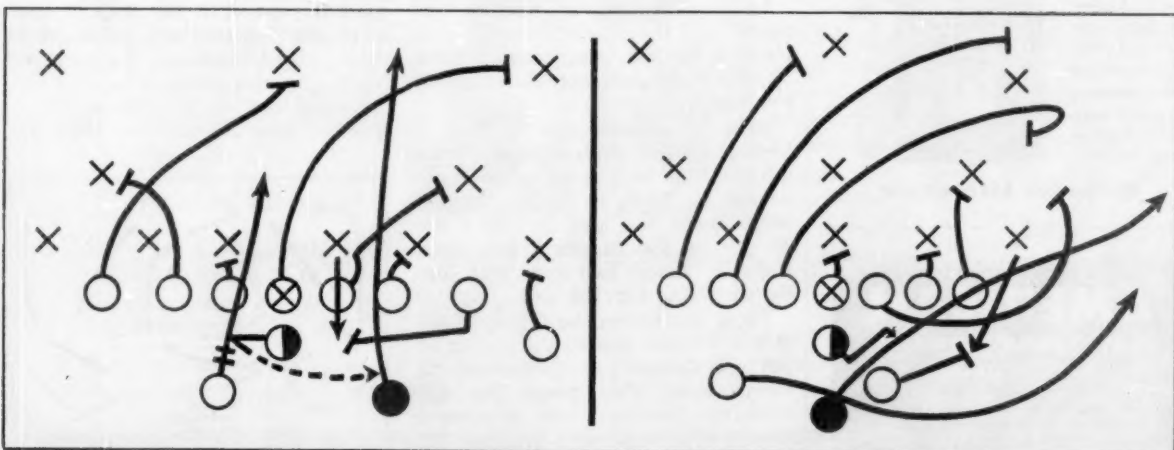
All drills should fit the team's pattern of plays and should be broken into "spot drills." When practicing a "dive" play, for example, only the QB, HB, offensive tackles are needed. If practicing a trap only the QB, ball-carrier, trapper, and man to be trapped should be concerned in the routine.

In any system which has a dive or a trap as its key play, these plays should be used at least 30% of the time during any game.

In his scrimmages, Bican uses three different teams in different colored scrimmage vests. The first team is on offense all the time, while the second and third teams change offense and defense every four plays. This helps relieve monotony. The defensive teams change their alignment at will.

Bican's best pass drill is a "bad" pass drill in which a coach does the throwing . . . no one could throw worse. He throws the ball in the ground, between their legs, over their heads, and out of the stadium . . . but we insist that they catch them, or learn how. It's surprising how soon they learn to grab the impossible throws.

Bican favors much scrimmage against defensive men using inflated air dummies. He claims this teaches the boys the proper body movements needed to protect themselves. He uses little scrimmage of the full-dress variety, and emphasizes the special grouping of candidates as a



Diag. 5, right half toss off the Split T.

Diag. 6, "ride" play with fullback slanting.

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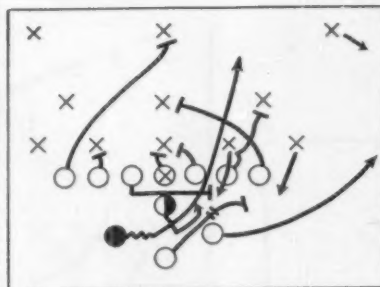
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**Diag. 7, trap off ride play.**

preventative against needless injury.

As he put it, "I make certain that the Wheels are with the Wheels and the Rinkydinks with the Rinkydinks. The kids who haven't felt the thud of hard knocks must graduate step by step out of their own class."

As to tackling dummies, Bican dryly stated he has never been opposed by any during the season and therefore feels he had better learn to tackle moving men.

New trends? The McClatchy coach stated there isn't anything new. He pinpointed the Split T converts as coaches who wouldn't work hard enough to correct the faults in their own system. Speaking of the authors of Split T books, Bican stated that they contradicted their own teachings. "This stuff about a Split T with no guards pulling, no traps, is malarky."

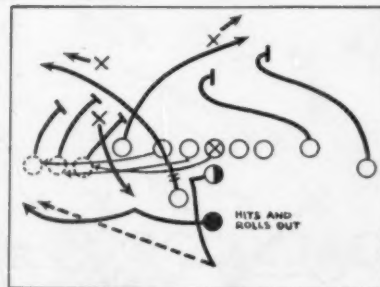
To prove his point, Bican diagrammed several plays being used by the top Split T coaches. **Diag. 4** (right half reverse) and **Diag. 5** (right half toss) show how Split T teams are using reverses and traps from the outside.

In the reverse, the FB dives and fakes, and the LH comes across and reaches for the ball. The QB tosses the ball under the FB's outstretched arms to the RH, who jab steps or stutters for a two count.

In the RH toss, the QB merely fakes to LH, whirls around, and tosses to the RH, who smashes right off LE's rump as he comes across for the trap.

**Diag. 6** outlines one of Bican's favorite "ride" plays similar to the old College of Pacific play engineered by Eddie LeBaron. The QB drops back one step to meet the charge of the slanting FB, then slides or "rides" two steps with him before giving him the ball.

From this series the QB can fake to the FB and toss to the trailer or swing wide and pass to the ends or swing man. This keeps the QB working between the protective screen of the FB and trailing HB and forces the wide defense to play cautiously.



**Diag. 8, powerful screen pass.**

**Diag. 7** shows the trap off the same sequence, with the QB riding with the FB for two steps and then spinning to inside and handing off to LH. Players give the appearance of having missed a signal.

**Diag. 8** offers an analysis of Bican's strong screen play.

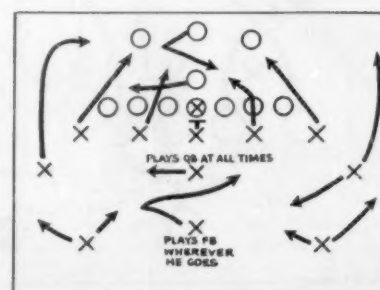
**BEATTY ON SPLIT T**

Homer Beatty, in presenting his versions of the Split T, emphasized the simplicity entailed in putting in the system. His ideas ran parallel with those of Jim Tatum, and a large portion of his lectures dealt with the simple and rapid manner of teaching "rule" blocking.

This system enables the player to learn blocking assignments for the 14 basic Split T plays within a period of a day or two. It is based on numbering the opponents' defensive spots and places all defenses in an odd or even setup.

The system educates the boys in blocking "numbers" instead of guards, tackles, linebackers, etc., and thus eliminates the problem of figuring out who is a lineman and who is a linebacker.

Beatty believes that the swing toward Split T will continue because the system can get the best results with limited personnel. He diagrammed various defenses being used to cope with the Split T, and cited the 5-4 and 6-3 as the two chief troublemakers facing his teams. He also spoke briefly on the "straight line" or "I" defense, which also has good possibilities (**Diag. 9**).



**Diag. 9, straight line defense.**



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# SIMPLIFIED RULE BLOCKING

By **JOE COVIELLO**, *Memorial H. S., West New York, N. J.*

**W**HEN I began coaching at Memorial High School in September 1946, it was necessary to put in a new offense with new terminology in just a few weeks. To make this as simple and easy as possible, I took my plays from the play cards and set down the assignments for each position.

It took a great deal of time. But after it had been completed, each boy had a single sheet of paper listing ALL his assignments! As a result, the players weren't daunted by innumerable plays and diagrams, nor were they bothered by the individual assignments of the other players.

The simplicity of a single sheet containing *only* the player's particular duties made it possible and practical for me to hand out more plays with less confusion.

A copy of the blocking rules for our left guard is presented here by way of illustration.

We number our T formation plays as follows:

The LHB Series are our 30 plays;

The FB Series are our 20 plays; and

The RHB Series are our 10 plays.

The holes are numbered on the defense as follows:

"1"—outside DLE (defensive left end).

"2"—between DLE and DLT.

"3"—between DLT and DLG.

"5-6"—between defensive guards.

"7"—between DRG and DRT.

"8"—between DRT and DRE.

"9"—outside DRE.

Upon receiving a copy of the blocking rules, all of the boys in each position read them over with the coach, who explains the terminology or any other question relative to the plays. This is essential, for what may appear to be perfectly clear to the coach isn't always as obvious to the boy who must learn the plays.

We do not claim that such blocking rule systems are paragons of perfection. In the conventional system—wherein the players are given all the plays with all the assignments—the boys get to learn the duties of all the positions. This actually is the only way to learn them effectively.

Another drawback to the blocking-rule system is that it requires more work on the part of the coaching staff.

However, the extra effort required to make up the individual sheets is well worth the time. The blocking rules enable the players to learn their assignments in a relatively short time and to run the plays against varied defenses with the least number of mistakes in blocking assignments.

There are several pitfalls in this system that the coach should be aware of.

First, he shouldn't try to cover every possible situation that may arise on the field. This will result in too much wordage, and the rules may develop into paragraphs.

Secondly, the simplicity in listing plays shouldn't encourage a coach to give too many plays.

Thirdly, more rules won't in themselves settle the problem of proper assignments. The team must practice against various defenses every day, so that each boy will learn to associate his rules with the live situations.

Together with the blocking rules, we give each boy a sheet containing all the possible defenses we may encounter. He's encouraged to use these to pick out his specific assignments.

We employ two basic blocks—the straightaway and the cross-block. Our line uses various calls to indicate the type to be used. These calls are made all along the line to offset any giveaway.

To avoid confusion, certain positions are given the responsibility for making the blocking calls on definite plays. The ends, for example, are responsible for the line blocking on off-tackle plays.

Another idea we employ assures us of a good call on our first offensive play. During the week preceding the game, we prepare a specific play for our initial effort—provided we attain a certain position when we get the ball, either after our kick-off return or when the oppo-

(Continued on page 48)

## BLOCKING RULES FOR LEFT GUARD

Play No.	Man on Your Head	No Man On
31-21	Pass him on right, look for weak B.U.	Through line, block strong H.B.
32-22	Same	Same
33-23	Same	Same
35-25-15	Wall him out	First B.U. in front or to your right
36-26-16	Drive him to left	Go for safety man
37-27-17	Drive him to right	B.U. in front or to right
38-28-18	Pull out, block 1st man to left	Same
39-29-19	Pull left, head fake end, take weak H.B.	Same
Draw Play	Drive out first man to left	Same
330 Trap	Pull right, trap 1st man beyond our center not taken	
270 Trap	Post block on double team	Drive man on center
F.B. Wedge	Drive in center	Same
Drop Back	Wall out 3rd man in; if he's man on center drop back to protect	
Pass		
End Run	Pull left, block back	
Pass		

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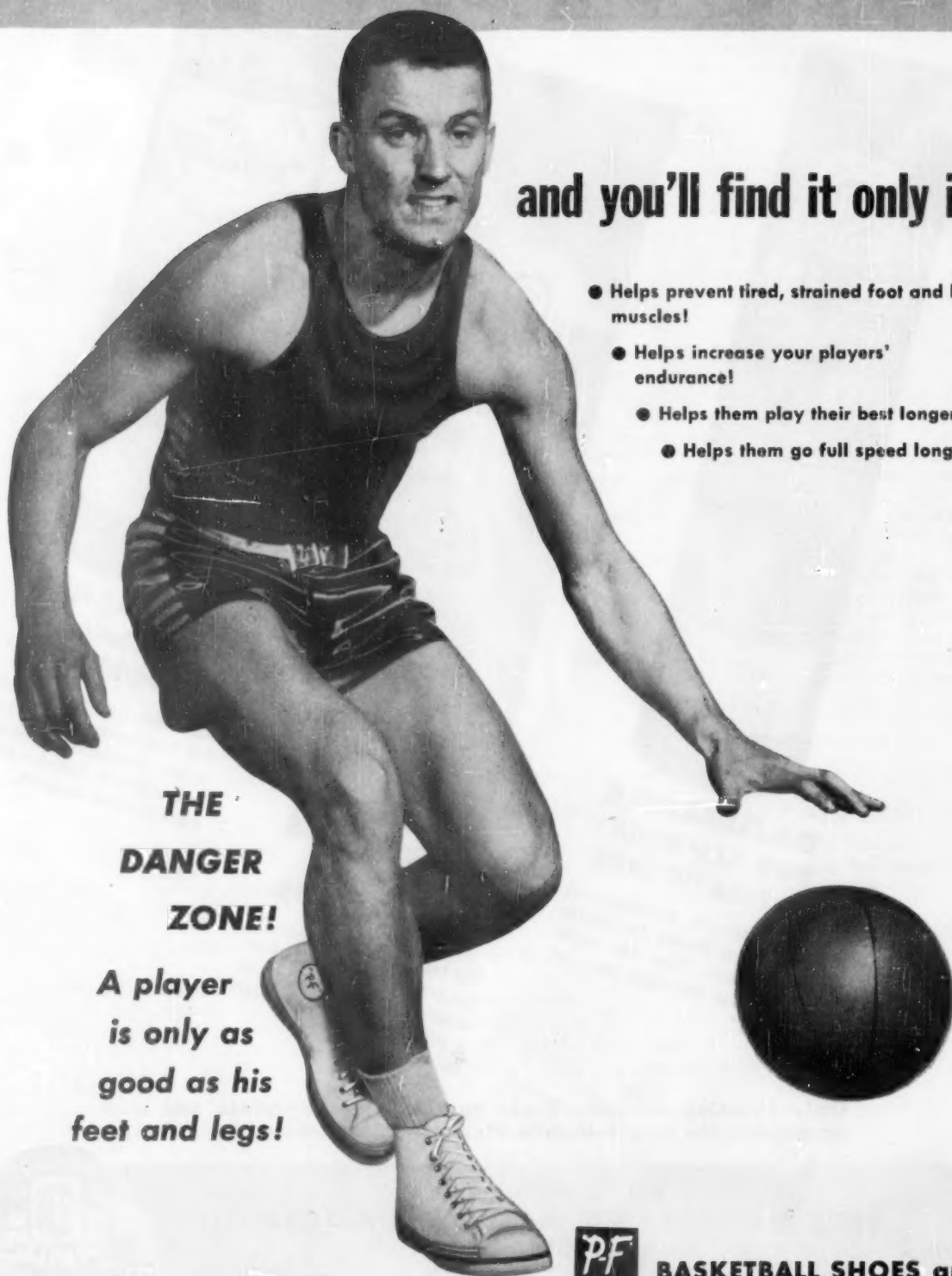
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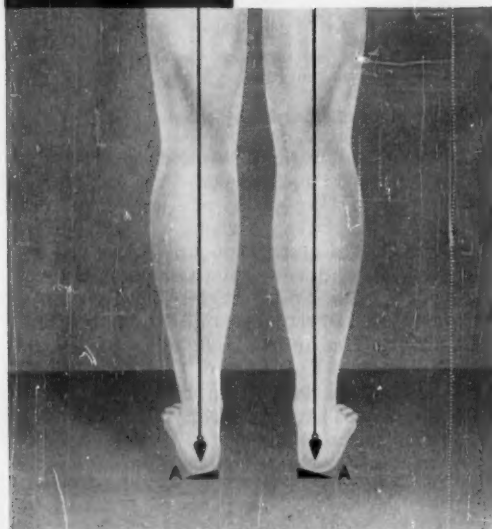


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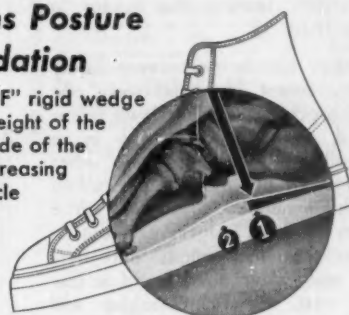
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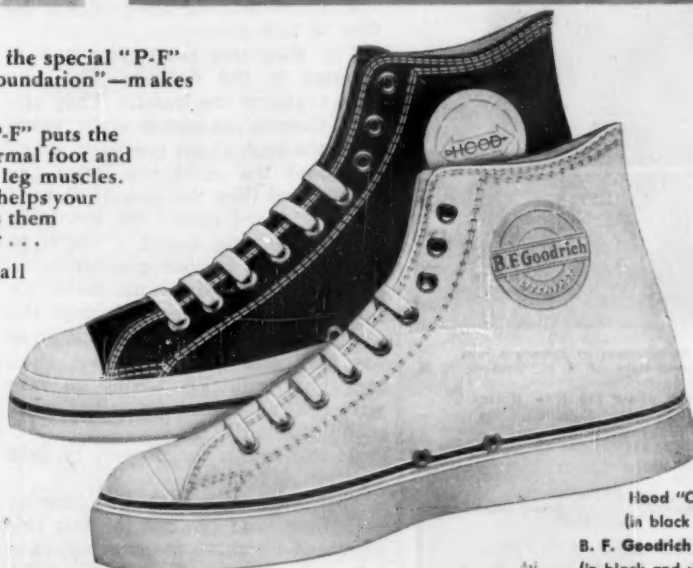
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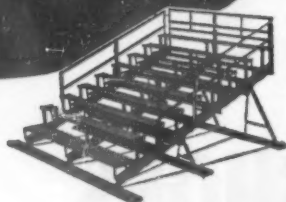
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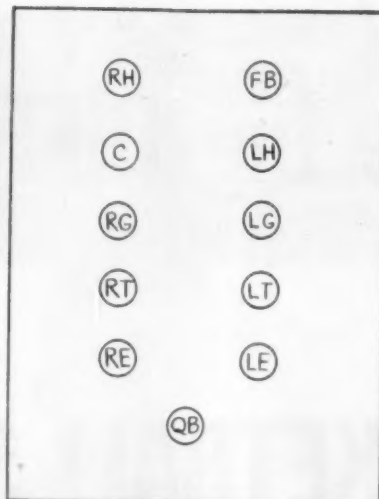
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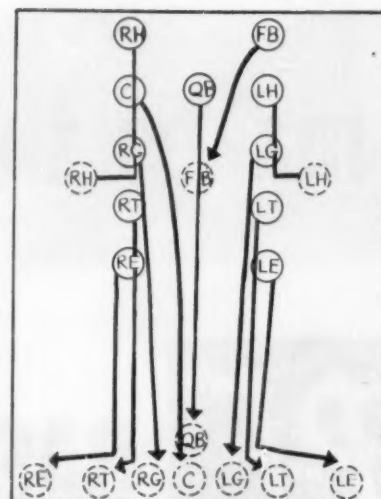
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By LARRY BRUNO, Monaca (Pa.) High School

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3. It's something different for the fans to talk about.

The diagrams show you how it appears to the defense. The two ends organize the huddle. They situate themselves about eight yards from the ball, about one yard apart.

Behind the ends you have the tackles and then the guards. Behind the left guard comes the left half; behind the right guard is the right half. In front is your quarterback.

Each player lines up with his hands on his knees, facing the quarterback. The quarterback gives the play and starting signal, then steps back quickly about on line with the center and issues the command, "Break!"

At this order, the players go into position as follows:

The ends go up to the line of scrimmage and fan out to their positions about three steps away—the left end pushing off with his right foot and the right end pushing off with his left foot.

The tackles come up to the line and take about one step into their respective positions.

The guards go up to the line almost directly to their positions.

The center angles slightly so that he can move straight to his position.

The quarterback follows the center to his position.

The left half takes one or two short steps forward and moves to his position.

The right half moves about three or four steps forward, then breaks to his spot.

The fullback angles to his right and moves directly into his starting position.

All players move at the same time, and fall into their starting positions at the same time. They move at a fairly fast trot, adjusting their steps so that they arrive at their spots together. They move freely with no particular cadence.

The first question that may come to mind is: "Doesn't it take too long to run a play?"

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The Fan Huddle looks nice, it is organized, and it eliminates all worry about sending in the wrong players. As you can quickly see, any time the team is a man short or has two men in who play the same position, the huddle will show a gap—and the coach can immediately make the necessary adjustment.

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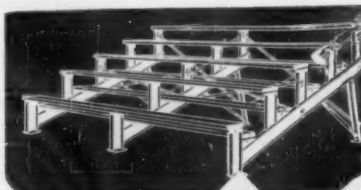
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Cragin-Simplex Co. (rackets)  
Dayton Racquet Co. (steel racquets)  
Ederer Div. (nets)  
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GOLD MEDAL NETS for Badminton

For outdoor and indoor play, in 18-20, 21-foot  
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Fred Medart Products, Inc. (standards)  
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Pennsylvania Athletic Products (birds)  
J. E. Porter Corp. (posts, nets)  
Rawlings Sporting Goods Co.  
A. J. Reach, Wright & Ditson  
A. G. Spalding & Bros.  
Walkay Co.  
Wilson Sporting Goods Co.

## BALLS

Rubber Fabric Composition Balls  
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Pennsylvania Athletic Products

Preferred for Performance  
**PENNSYLVANIA**  
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AKRON, OHIO JEANNETTE, PA.

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A. J. Reach, Wright & Ditson  
Seamless Rubber Co.  
A. G. Spalding & Bros.  
Sun Rubber Co.  
W. J. Voit Rubber Corp.

**VOIT**  
America's Finest  
Athletic Equipment  
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Weaver-Wintark  
Wilson Sporting Goods Co.

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Dewey & Almy Chemical Co.  
Ken-Wel Sporting Goods Co., Inc.  
The MacGregor Co.  
Rawlings Sporting Goods Co.  
A. J. Reach, Wright & Ditson  
John T. Riddell, Inc.  
Seamless Rubber Co.  
A. G. Spalding & Bros.  
Sun Rubber Co.  
Wilson Sporting Goods Co.

## BASEBALL

Complete Equipment

(Balls, bats, bases, uniforms, gloves, caps, shoes,  
bags, scorebooks, masks, protectors,  
shin guards)

Ken-Wel Sporting Goods Co., Inc.  
The MacGregor Co.  
Nocona Leather Goods Co.  
Ohio-Kentucky Mfg. Co.  
Oliver Bros.  
Passon's Sport Center  
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**Rawlings**  
ATHLETIC EQUIPMENT  
First Choice for  
FOOTBALL • BASKETBALL  
BASEBALL • GYM  
"The Finest in the Field"

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Richard Smith Corp.  
Starr Sporting Goods Co.  
Alex Taylor  
Wilson Sporting Goods Co.

Backstops  
American Playground Device Co.  
Austin Fence Co.

## Austin PORTA-WELD BASEBALL BACKSTOP

- Sturdy, durable, all-welded backstop that can be moved to any part of field
- Opening at front is 10' wide by 9' high. Back is 6' wide by 6' high, wings 6'. Has heavy rubber tired wheels.

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Ederer Div.  
Game-Time, Inc.  
General Playground Equipment, Inc.  
The Linen Thread Co., Inc. (backstop netting)  
Page Fence Assn.

## PAGE FENCE

- Page engineered Backstops — withstand abuses, are long-lasting; choice of styles, sizes. Nation-wide trained erectors insure reliable erection service. For helpful information write:

PAGE FENCE ASSOCIATION  
Monessen, Pa.

J. E. Porter Corp.  
Star Co.  
Stewart Iron Works

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Lannom Mfg. Co.  
The MacGregor Co.  
E. O. Meacham Co.  
Pennsylvania Athletic Products (softballs)  
A. J. Reach, Wright & Ditson  
A. G. Spalding & Bros.  
Sporting Goods, Inc.  
Springfield Co. (Sealand Inc.)  
W. J. Voit Rubber Corp.

### Bases

Arrow System  
Cullum & Boren Co.  
C. R. Daniels, Inc.  
Marty Gilman, Inc.  
The MacGregor Co.  
E. O. Meacham Co.  
National Sports Equipment Co.  
Petersen & Co.  
A. J. Reach, Wright & Ditson  
Safeplay Products Co. (safety base spikes)  
A. G. Spalding & Bros.

### Home Plates

Cullum & Boren Co.  
National Sports Equipment Co.  
A. J. Reach, Wright & Ditson  
Seamless Rubber Co. (also pitcher's plates)  
A. G. Spalding & Bros. (also pitcher's plates)  
W. J. Voit Rubber Corp.

### Shoes

(See special listing under Shoes)

WRITE DIRECTLY TO THE COMPANIES FOR THEIR CATALOGUES. ADDRESSES WILL BE FOUND ON PAGE 33. FOR ADDRESSES NOT LISTED WRITE SCHOLASTIC COACH, 33 WEST 42ND ST., NEW YORK 36, N. Y.

### Bats

(Baseball and Softball)

Bancroft Sporting Goods Co.  
Hanna Mfg. Co.  
Hillerich & Bradsby Co.

## Louisville Sluggers

*We make them*  
**RIGHT!**

**PERFORMANCE**  
*makes them FAMOUS!*

HILLERICH & BRADSBY CO.  
LOUISVILLE, KY.

Joseph G. Kren

BASEBALL and SOFTBALL BATS  
• BABE RUTH LEAGUE BATS • LITTLE LEAGUE BATS



The Choice of Athletic Directors,  
Coaches and Physical Ed. Instructors

**JOSEPH G. KREN, INC.**

McLaughlin-Millard, Inc.

## ADIRONDACK BATS

Baseball

Softball

Little League

Babe Ruth League

Pony League

Fungo

**McLAUGHLIN-MILLARD, INC.**

DOLGEVILLE, NEW YORK

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Southwest Mfg. Co.  
A. G. Spalding & Bros.

### Uniforms

Amco Athletic Apparel Equip. Co.  
Inwood Sptg. Goods Co.  
Kaye Sportswair  
Major League Suppliers  
Powers Mfg. Co.  
Red Fox Mfg. Co.  
Wilton Mfg. Co.

### Special Equipment

Aeme Supply Co. (caps)  
Athletic Products Co. (knee brace)  
Benson Optical Co. (safety glasses)  
Cramer Chemical Co. (rosin bags)  
Dedoes Industries (batting robot)  
Martin Dennis Co. (glove softener)  
Marty Gilman Inc. (chest protectors)  
H. & R. Mfg. Co. (field markers)  
Hodgman Rubber Co. (warmup jackets, reducing shirts)  
E. O. Meacham Co. (gloves)  
National Sports Equipment Co. (bat bags)  
O-C Mfg. Co. (knee and elbow caps, anklets)  
Pi-Mac Sports Equip. Co. (portable bat rack)

### Scoreboards

All-American Scoreboard Corp.  
M. D. Brown Co.  
Fair Play Mfg. Co.  
Naden & Sons Electric Scoreboard Co.  
Nevco Scoreboard Co.

## BASKETBALL

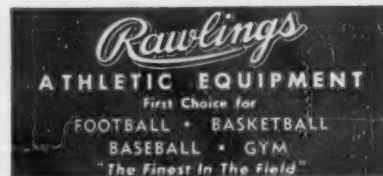
### Complete Equipment

(Balls, uniforms, warm-up suits, shoes, goals, scorebooks)

Athletic Trainers Supply Co.  
Champion Knitwear Co.  
Horn School Equip. Div. of The Brunswick-Balke-Collender Co.  
Ken-Wel Sporting Goods Co., Inc.  
The MacGregor Co.



Mitchell's  
Ohio-Kentucky Mfg. Co.  
Passon's Sport Center  
Rawlings Sporting Goods Co.



A. J. Reach, Wright & Ditson (except shoes, uniforms)  
John T. Riddell, Inc.  
Harold F. Sergel  
A. G. Spalding & Bros. (except uniforms)  
Starr Sporting Goods Co.  
Alex Taylor  
Wilson Sporting Goods Co.

### Backstops

Aalco Mfg. Co.  
American Playground Device Co.  
Everwear Mfg. Co.  
Game-Time, Inc.  
Bradley M. Layburn Co.  
Little Kid Basketball  
Fred Medart Products, Inc.  
Dick Morey  
Nonpareil Mfg. Co.



## BASKETBALL

Nurre Companies, Inc. (glass banks)

### NURRE plate glass BANKS

SEND FOR CIRCULAR

The Nurre Companies, Bloomington, Indiana

Pittsburgh Plate Glass Co. (glass banks)  
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Recreation Equipment Co.  
Schutt Mfg. Co.  
J. J. Spitzer Co.  
Star Co.  
Van Horn Plastics (Plexiglas banks)

#### Balls

Denkert, Incorporated  
The MacGregor Co.  
Nocoma Leather Gds. Co.  
Pennsylvania Athletic Products  
A. J. Reach, Wright & Ditson  
A. G. Spalding & Bros.  
Seamless Rubber Co.  
Sun Rubber Co.  
W. J. Voit Rubber Corp.  
Weaver-Wintark

#### Goals

American Playground Device Co.  
Everwear Mfg. Co.  
Game-Time, Inc.  
The MacGregor Co.  
Fred Medart Products, Inc.  
Nonpareil Mfg. Co.  
J. E. Porter Corp.  
A. J. Reach, Wright & Ditson  
Recreation Equipment Co.  
Schutt Mfg. Co.

### RIGIDBILT BASKETBALL GOALS

SCHUTT MFG. CO.

LITCHFIELD

ILLINOIS

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J. J. Spitzer Co.  
Star Co.  
Stewart Iron Works  
W. J. Voit Rubber Corp.  
Weber Mfg. Co. (portobasket)

#### Nets

The Carron Net Co.  
Ederer Div.  
Jayfro Ath. Supply (steel chain)

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BASKETBALL  
STEEL  
CHAIN  
NETS**



The only Net  
GUARANTEED  
for 3 YEARS!

Outdoors or indoors • Send for Free Catalog  
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—Since 1939—

### Electric Basketball Scoreboards \$132.50 up

New models being introduced this summer.  
Write for free information.

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Fair Play Mfg. Co.



Game-Time, Inc.  
Bradley M. Layburn Co.  
Fred Medart Products, Inc.  
Naden & Sons Electric Scoreboard Co.  
Neveco Scoreboard Co.  
J. E. Porter Corp.  
Shadagraf Mfg. Co.

#### Shoes

(See special listing under Shoes)

#### Special Equipment

Athletic Products Co. (knee brace)  
Arkay Co. (Coach-Player Portable Communication System)  
Behrens Mfg. Co. (portable water-carrier)  
Cramer Chemical Co. (ball cleaners)  
Denmark Products (practice ring)  
Geo. Gillis Shoe Corp. (knee and elbow protector)  
Marty Gilman Inc. (safety wall pads)  
H. & R. Mfg. Co. (court markers)  
Matt L. McBride (basketball rack)  
Maple Flooring Mfg. Assn. (maple floors)  
Match-A-Tach, Inc. (magnetic diagram board)  
E. O. Meacham (leather nets, knee pads)  
Mohawk Valley Sports, Inc. (basketball blinders)  
O-C Mfg. Co. (knee end elbow caps and guards, anklets)  
National Sports Equipment Co. (safety wall pads)  
Precision Athletic Goggle Co. (goggles)  
Safe-Play Goggle Co. (shatterproof glasses)  
Smith & Waite (knee braces)  
A. G. Spalding & Bros. (bandages, pads, eye-glass protectors)  
Sportsman Inc. (magnetic demonstrating board)  
Wiemer Dispensing Co. (basketball dispensing device)

## Uniforms

Amco Athletic Apparel Equip. Co.  
Butwin Sportswear (warm-up suits)  
Champion Knitwear Co.  
Cullum & Boren Co.  
The Greene Co.  
Arthur Kahn Co., Inc.  
King-O'Shea  
The MacGregor Co.  
Oliver Bros.  
Powers Mfg. Co.  
Red Fox Mfg. Co.  
Sand Knitting Mills Corp.  
Richard Smith Corp.  
Spanian Sportswear Co.  
Trojan Athletic Wear Co.  
Wilton Mfg. Co.

## CONDITIONERS

Arrow System (equipment repair)  
Bell Mat Reconditioning Co., Inc. (gym mats)  
Brouwer Shoe Co., S. J. (football shoes)  
E. J. Clarke (inflated goods repaired)  
Vincent D'Attilio  
Marty Gilman Inc. (repair of football dummies and gym mats)  
Hillyard Chemical Co.  
Huntington Laboratories, Inc.  
Ivory System

## FIRST and FOREMOST

in all things connected with  
the Reconditioning of  
Athletic Equipment.

## IVORY SYSTEM

PEABODY

MASSACHUSETTS

Mages Sports Distr., Inc. (inflated goods repaired)  
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Send your equipment to Marba today for reconditioning so that you'll have it ready for next season.

- Guaranteed Quick Delivery
- Service is Best
- You Save Money

### Marba Inc.

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Olympic, Inc.  
Passon's Sport Center (equipment repair)  
Petersen & Co. (gym mats)  
R & H Service Co.  
Raleigh Co.  
Reno Sport Inflated Goods Repair  
The Sa-Ven System  
Triangle Renovators  
Vern Volland (mats reconditioned)  
Wilson Sporting Goods Co.

#### Dryers

Hamilton Mfg. Co. (for clothes, uniforms, equipment)

## Marking Devices

Dri-Flo Mfg. Co.  
Charles W. Nutting Co.

## CLOTH

(For Uniform Items)

Dexter Woolen Co. (baseball flannel)  
Arthur Kahn Co., Inc. (Kahnfast satins)  
William Skinner & Sons

## EMBLEMS & TROPHIES

All-American Trophies  
Arlen Trophy Co.  
Award Incentives, Inc.  
Butwin Sportswear Co.  
Champion Knitwear Co.  
Cullum & Boren Co.  
Eagle Metalart Co.  
Felco Athletic Wear Co.  
The Greene Co.  
House of Harter (track award ribbons)  
Jest-Art Originals  
Richard M. Johnson Co.  
Edwin W. Lane Co.  
The MacGregor Co.  
The Nixon Co.  
Rawlings Sporting Goods Co.  
Regal Awards Co.  
Regalia Mfg. Co.  
State Sporting Goods Co.  
Wilson Sporting Goods Co.

## Caps and Hats

Acme Supply Co.

## FENCING

Castello Fencing Equip. Co.  
Greco Fencing Equip. Co.  
Perfo Mat & Rubber Co. (fencing mat)  
U. S. Fencing Co.

## FIELD HOCKEY

The Carron Net Co. (goal nets)  
Ederer Div. (goal nets)  
Game-Time, Inc. (goals)  
General Sportcraft Co. (complete equipment)

## GENERAL

**Sportcraft**  
COMPANY

215 Fourth Ave., New York, N. Y.

The Linen Thread Co., Inc. (goal nets)  
Lovell Mfg. Co.

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(For sale or hire)

Association Films  
Avis Films  
Bailey Films, Inc.  
Bell & Howell  
British Information Services  
Don Canham  
Coronet Instructional Films  
Encyclopaedia Britannica Films, Inc.  
Gallagher Films (football)  
Walter O. Gutlohn, Inc.  
Payton Jordan Film Enterprises  
Kent Lane, Inc.

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Official Films, Inc.  
Paul Parker Productions  
Seminar Films, Inc.  
Richard V. Thiriot (track films)  
United World Films

## Slide Film Projectors

Magnavox Co. (sound projector)

## FOOTBALL

### Complete Equipment

(Balls, headgear, jerseys, pants, shoes, shoulder pads, etc.)

Greene Co.  
Ken-Wel Sporting Goods Co., Inc.  
The MacGregor Co.  
Marquette Sports Equipment

## MARQUETTE SPORTS EQUIPMENT

3206-08 West 63rd St., Chicago, Ill.

### Factory to You!

Shoulder Pads — Hip Pads — Rib  
Pads — Thigh Guards — Knee Pads  
— Priced to fit your budget!  
Samples submitted on request!

Stock maintained year around!

Quality Merchandise

Ohio-Kentucky Mfg. Co.  
Rawlings Sporting Goods Co.



Sand Knitting Mills Corp. (pants and jerseys)  
Harold F. Sergel  
A. G. Spalding & Bros. (except uniforms)  
Starr Sporting Goods  
Wilson Sporting Goods Co.

## Balls

Nocona Leather Goods Co.  
Ohio-Kentucky Mfg. Co.  
Pennsylvania Athletic Products  
A. J. Reach, Wright & Ditson  
Seamless Rubber Co.  
A. G. Spalding & Bros.  
W. J. Voit Rubber Corp.

## Cleats for Shoes

Athletic Shoe Co.  
Brooks Shoe Mfg. Co.  
Feather Tip Football Cleat  
Mercury System  
Ohio Athletic Specialty Co. (and Cleat Wrench)  
John T. Riddell, Inc.

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for early

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"A" Line of White Game Jerseys in Cotton Durene and Rayon, featuring Sleeve Stripes and Numerals



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SWEAT SHIRTS  
PHYSICAL ED  
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Champion will send you a free sample of the T-Shirt and Gym Pant so that you can see exactly how a gym suit for your Phys. Ed. classes will look with your own design and in your own school colors. This request must come from the Physical Education Department, or office, stating school color combinations, design, or nickname.

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Taylor Mfg. Co.  
Wright Mfg. Co.

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Atlas Athletic Equipment Co.  
Ball & Hale  
Rae Crowther Co.  
Marty Gilman Inc.

## MARTY GILMAN, INC.

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GILMAN, CONN.

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National Sports Equipment Co.  
Wilson Sporting Goods Co.

### Repair Kits

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### Shoes

(See special listing under Shoes)

### Scoreboards

(Electric)

M. D. Brown Co.  
All-American Scoreboard Corp.  
Fair Play Mfg. Co.  
Game-Time, Inc.  
Fred Medart Products, Inc.  
Naden & Sons Electric Scoreboard Co.  
Neveco Scoreboard Co.

## NEVCO SCOREBOARDS

- FOR ALL SPORTS
- BASKETBALL, FOOTBALL
- BASEBALL & HOCKEY

Write for Bulletin Nos. 18 and 19

## NEVCO SCOREBOARD COMPANY

GREENVILLE ILLINOIS

Post Sign Co.

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Uniform Co.  
Amco Athletic Apparel Equip. Co.  
Champion Knitwear Co.  
General Athletic Products Co.  
Arthur Kahn Co. (uniform cloth)  
King-O'Shea  
Oliver Bros.  
Powers Mfg. Co.  
Red Fox Mfg. Co.  
Sand Knitting Mills Corp.  
Spanjian Sportswear  
Wilton Mfg. Co. (jerseys)

### Special Equipment

Aire-Fit Pad & Brace Co. (pneumatic  
braces and protectors)  
American Coaches Supply Co. (diagram  
board)

Arkay Co. (Coach-Player Portable Commu-  
nication System)  
Arrow System (helmets)  
Athletic Products Co. (knee brace)  
Behrens Mfg. Co. (portable water carrier)  
Bemel & Associates (down markers)  
Butwin Sportswear (football parkas)  
Contact Lens Specialists (contact lens)  
Continental Vogue Co. (equipment trunks)  
Dahlman Products (kicking toe, kicking  
tee)  
Game-Time, Inc. (goal posts)  
Geo. Gillis Shoe Corp. (knee and elbow  
protector)  
H. & R. Mfg. Co. (field markers)  
Hodgman Rubber Co. (sideline parkas and  
capas)

## HODGMAN ATHLETIC CLOTHING

Used and Endorsed by  
Leading Teams and Athletes

- Warm-Up Jackets
- Sideline Parkas
- Hooded Sideline Capes
- Deluxe Hooded Capes

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New York Chicago San Francisco

Ivory System (laces)  
Kemp Mfg. Co. (snuggles)  
King-O'Shea (shoulder, hip, and kidney  
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Marietta Co. (plastic masks)  
Mill-Mont Co. (mouth guard)  
Nocona Leather Goods Co. (shoulder pads,  
helmets)  
O-C Mfg. Co. (knee and elbow guards and  
caps, anklets, protective cup and sup-  
porter, ankle wraps)  
J. E. Porter Corp. (metal goal posts)  
Precision Athletic Goggle Co. (goggles)  
Protection Equipment Co. (protective  
equipment)  
John T. Riddell, Inc. (safety suspension  
helmets)  
Safe-Play Goggle Co. (shatterproof glasses)  
Smith & Waite (knee braces)  
A. G. Spalding & Bros. (field markers,  
referee's horns and whistles, kicking  
tees and toes, knee and elbow pads)  
W. J. Voit Rubber Corp. (kicking tees,  
mouth protectors, sideline markers)  
Williams-Huff Co. (mouth protector)

## GYM EQUIPMENT

### Complete Equipment

Aalco Mfg. Co.  
Game-Time, Inc.  
Horn School Equip. Div. of The Brunswick  
Balke-Collender Co.  
Bradley M. Layburn Co.  
Fred Medart Products, Inc.  
J. E. Porter Corp.  
Rawlings Sporting Goods Co.  
Wilson Sporting Goods Co.

### Boxing Equipment

Atlas Athletic Equipment Co.  
Everlast Sporting Goods Mfg. Co.  
Marty Gilman Inc. (training bags, pads,  
covers)  
Ken-Wel Sporting Goods Co.  
The MacGregor Co. (gloves)  
Mill-Mont Co. (mouth guard)  
Narragansett Gymnasium Equipment Co.  
National Sports Equipment Co. (rings,  
pads, covers, training bags)

O-C Mfg. Co. (hand wraps, protective cup  
and supporter)  
Petersen & Co.  
Rawlings Sporting Goods Co.  
A. G. Spalding & Bros.  
W. J. Voit Rubber Corp. (mouth  
protectors)

### Folding Bleachers

Horn School Equip. Div. of The Brunswick  
Balke-Collender Co.  
Leavitt Bleacher Co.  
Fred Medart Products, Inc.  
Safway Steel Products  
U. S. Seating Corp.  
Universal Bleacher Co.  
Wayne Iron Works (folding grandstands)

### Floor Finishes

Bram Chemical Co.

## GYM SEALS

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"More Champions Play on  
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- N.J.C.A.A. Tournament



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Protects wood floors

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ALL PURPOSE  
WOOD FINISHES

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HUNTINGTON, INDIANA & TORONTO



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West Disinfecting Co.

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Balke-Collender Co.  
Richards-Wilcox Mfg. Co.

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American Hair & Felt Co. (hair felt  
padding)  
American Playground Device Co.  
Arrow System

**Old Gym Mats  
Recovered  
with  
Reinforced Plastic  
ARROW SYSTEM  
LAWRENCE, MASS.**

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Burch Canvas Products  
Everwear Mfg. Co.  
Marty Gilman, Inc.  
A. Mamaux & Son  
Fred Medart Products, Inc.  
National Sports Equipment Co.  
Petersen & Co.  
J. E. Porter Corp.  
Premier Athletic Products Corp.  
Raleigh Co.  
Wagner Awning & Mfg. Co.

#### Gym Dividing Nets

The Carron Net Co.  
Ederer Div.  
The Linen Thread Co., Inc.

#### GOLD MEDAL NETS for Gym Division

Gym netting and dividing nets especially  
adapted for division of indoor floor space.  
Have multiple uses. Made to order.

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418 Grand Street Paterson 1, N. J.

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(Including girls' gym and play suits)

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Tom Broderick Co.  
Champion Knitwear Co.  
Cullum & Boren Co.  
Da Val Mfg. Co. (gym pants)  
Hunt's Athletic Goods Co.  
National Sports Equipment Co.  
Rawling Sporting Goods Co.  
Richard Smith Corp.  
Thames Sportswear Co.

#### Shoes

(See special listing under Shoes)

WRITE DIRECTLY TO THE COMPANIES FOR  
THEIR CATALOGUES. ADDRESSES WILL BE  
FOUND ON PAGE 33. FOR ADDRESSES  
NOT LISTED WRITE SCHOLASTIC COACH,  
33 WEST 42ND ST., NEW YORK 36, N. Y.

#### Table Tennis

General Sportcraft Co.

**GENERAL  
Sportcraft  
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For Championship Equipment — Get  
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BATS NETS  
BALLS TABLES  
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#### Special Equipment

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Connor Lumber & Land Co. (flooring)  
Electric-Aire Eng. Corp. (hair-driers)  
Hamilton Mfg. Co. (equipment drier)  
Jayfro Athletic Supply (steel chain  
basketball nets)  
League-O-Meter Co. (display board)  
Maple Flooring Mfg. Assn. (floors)  
Mercury Equipment Co. (corrective  
equipment)  
Minnesota Mining & Mfg. (plastic floor  
marker)  
Perfo Mat & Rubber Co. (broad jump  
mats)  
Recreation Equipment Co. (bouncer)  
Robbins Flooring Co. (maple gym floor)  
Steber Mfg. Co. (gym lighting fixtures)  
Stewart Iron Works (window guards)  
R. E. Titus Gym Scooter Co. (game device)  
J. W. Wells Lumber Co. (floors)



**For  
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Floors**

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Houston, Texas  
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Sidlinger Products Co.  
Dick Smith Trampolines

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##### Complete Equipment

(Pucks, sticks, skates, uniforms)

All-American Scoreboard Corp. (electric  
scoreboard)  
The Carron Net Co. (nets)  
Ederer Div. (goal nets)  
Game-Time, Inc. (goals)  
Ken-Wel Sporting Goods Co., Inc. (gloves,  
helmets, pads, pants)  
The Linen Thread Co., Inc. (goal nets)  
Lovell Mfg. Co.  
Rawlings Sporting Goods Co.  
Wilson Sporting Goods Co.

##### Pucks

Seamless Rubber Co.  
United States Rubber Co.

#### LOCKER ROOM

##### Baskets

American Playground Device Co.  
American Wire Form Corp.  
Berger Mfg. Co.  
Game-Time, Inc.  
Kasper Wire Works  
Bradley M. Layburn Co.  
Fred Medart Products, Inc.  
Narragansett Gymnasium Equipment Co.  
Ocean Pool Supply Co.  
J. E. Porter Corp.  
Stewart Iron Works (wire partitions)

##### Deodorants

Bram Chemical Co.  
Consolidated Laboratories  
C. B. Dolge Co.  
Hillyard Chemical Co.  
Huntington Laboratories, Inc.  
Lentheric (powder)  
Pennsylvania Salt Mfg. Co.  
The Selig Co., Inc.  
Vestal Chemical Labs.

## LOCKER ROOM

### Disinfectants

Bram Chemical Co.  
Cramer Chemical Co.  
C. B. Dolge Co.  
Hillyard Chemical Co.  
Huntington Laboratories, Inc.  
Pennsylvania Salt Mfg. Co.  
The Selig Co., Inc.  
Vestal Chemical Labs.

### Foot Baths

American Playground Device Co.  
Bram Chemical Co.  
Cramer Chemical Co.  
C. B. Dolge Co.  
Everwear Mfg. Co.  
Hillyard Chemical Co.  
Huntington Laboratories, Inc.  
J. E. Porter Corp.  
Ocean Pool Supply Co.  
Vestal Chemical Labs.  
West Disinfecting Co.

### Foot Bath Solutions

American Playground Device Co.  
Bram Chemical Co.  
Consolidated Laboratories  
Cramer Chemical Co.  
C. B. Dolge Co.  
Hillyard Chemical Co.  
Huntington Laboratories, Inc.  
Pennsylvania Salt Mfg. Co.  
J. E. Porter Corp.  
The Selig Co., Inc.  
Dr. Shiffer's Labs.  
Vestal Chemical Labs.  
West Disinfecting Co.

### Locker Room Sandals

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Lovell Mfg. Co.  
Ocean Pool Supply Co.  
Sani-Tread Co., Inc. (locker room slippers)

### Marking Device

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### Showers

Bradley Washfountain Co. (group showers)

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Lowest  
Prices!



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Bram Chemical Co.  
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Continental Car-Na-Var Corp.  
C. B. Dolge Co.  
Hillyard Chemical Co.  
Huntington Laboratories, Inc.  
Pennsylvania Salt Mfg. Co.  
Vestal Chemical Labs.

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Champion Knitwear Co.  
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Theodore Mayer & Co.  
George McArthur & Sons

## McARTHUR

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BARABOO-WISCONSIN

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PERMIT YOUR PLAYERS TO WEAR  
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BASKETBALL NETS

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**Rubber Tire Skates**  
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SAFETY SUSPENSION HELMETS

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Bata Shoe Co.

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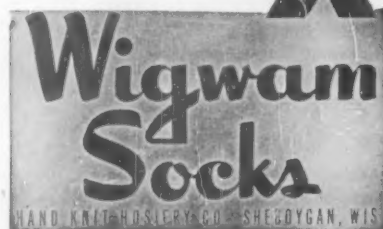
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Hand Knit Hosiery Co.  
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Imperial Knitting Co.  
Kandel Knitting Mills  
King-O'Shea  
The MacGregor Co.  
National Schoolcrafters  
Rawlings Sporting Goods Co.  
Roper Knitting Co.  
Sand Knitting Mills Corp.  
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Richard Smith Corp.  
A. G. Spalding & Bros.  
Trojan Athletic Wear Co.  
Wilson Sporting Goods Co.  
Yearite Sportswear

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Gilman Sptg. Cds. Co. (kickfloats)  
Harmol Mfg. Co.  
Hussey Mfg. Co. (demountable piers, floats, etc.)  
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The MacGregor Co.  
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Recreation Equipment Co.  
Wayne Iron Works (grandstands)

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Crouse-Hinds Co.

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Pennsylvania Salt Mfg. Co.

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General Playground Equipment, Inc.  
Recreation Equipment Co.  
Standard Pool Cleaner Co.

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### Complete Equipment

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The MacGregor Co.  
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Topseal—Renews Old Asphalt Top

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ALL WEATHER SURFACE  
FOR COURTS AND PLAY AREAS  
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E. P. Juneman Corp. (strings)  
Thames Sportswear Co. (shorts)  
United Clay Mines Corp. (markers)

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### "SEEFAB"

Steel Vaulting Poles  
(9' — 12' — 14' — 15' 9" — 16' 3")  
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Birch Javelins, Discus, Hammers  
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(OLYMPIA #710 — #714 — #716, etc.)

the equipment officially used in all Olympic Games

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The MacGregor Co.  
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Track and Field Equip. Supply

## Vaulting Poles

Beconta, Inc. (tapered steel)

## Shoes

(See special listing under Shoes)

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The Choice of All the 1952 Olympic Champions



- Better starts, better performances, less delay. Saves time.
- Adjustable to all types of starters, right or left footed, tall or short, in 3 to 9 seconds. Calibrated for remembered individual adjustment.
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Write for the name of your nearest dealer

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Cyclotherapy Inc. (hand therapeutic device)  
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"PILLOW LIKE SOFTNESS"

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"EASES TIRED FEET"

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# AN INDEX TO

# SCHOLASTIC COACH

# VOL. 24, 1954-55

## BASEBALL

- Damren, Jerry: *Organization of the Batting Order*, Mar., p. 38.  
Elkind, Richard: *Scientific Catching*, Part 1, Mar., p. 10; Part 2, Apr., p. 7.  
Fonseca, Lew: *Hitting*, Apr., p. 13.  
Hatch, Robert W.: *Evaluating Your Hitters*, Feb., p. 11.  
Lai, Buck: "Baseball-inics," Feb., p. 16.  
Mallette, Mal: *Curve-Ball Techniques*, Apr., p. 10.  
Mallory, Jim: *Pitching Pointers*, Mar., p. 20.  
Wiechec, Frank: *Safety in Baseball*, Jan., p. 46.

\* \* \*

- Mantle at Bat* (Picture Sequence), Feb., p. 10.  
*High School Baseball*, 1955, Feb., p. 52.  
*Ten Batting Tips from Ty Cobb*, Apr., p. 36.

## BASKETBALL

- Bach, Johnny: *Fordham's Corner Clearout Series*, Dec., p. 7.  
Byrne, John A.: *Screen-Trap Offense*, Dec., p. 18.  
Christenson, Irv: *Basketball Tourney Management*, Oct., p. 40.  
Cooper, S. A.: *A Method of Recording Basketball Errors*, Oct., p. 16.  
Gross, Elmer A.: *Penn State's Full-Court Press*, Oct., p. 14; *The 2-Out 3-In and 3-Out 2-In Set Offenses*, Nov., p. 20; *Penn State's Sliding Zone Defense*, Dec., p. 10.  
Kruse, William L.: *Kentucky's Scouting System*, Dec., p. 20.  
Penn, Ed: *Versatile Zone Defense*, Oct., p. 26.  
Ramsay, Jack: *Attacking the Various Zones*, Nov., p. 12.  
Riemcke, Cal: *Attacking the Collapsing Defense*, Oct., p. 10.  
Sand, Bobby: *Five Moving Pivots*, Oct., p. 8; *Give and Go*, Nov., p. 7.  
Wood, Edward L.: *The First Five Days of Basketball Practice*, Sept., p. 50.

\* \* \*

- 4 *Pivot Shots by "Easy Ed" Macauley* (Picture Sequences), Oct., p. 12.  
*A Lesson in Man-to-Man Defense*, Nov., p. 30.  
*Arizin Shooting: Jump-Set-Hook* (Picture Sequences), Dec., p. 12.  
*Dayton's Criss-Cross Play* (Picture Sequence), Dec., p. 30.  
*Basketball Rules Changes, 1955-56*, May, p. 45.

## BOWLING

- Four-Step Delivery* (Picture Sequence), Nov., p. 26.

## FACILITIES AND EQUIPMENT

- Arnesen, Arne U.: *Coaching by Stroboscope*, Jan., p. 40.  
Brinson, Harold: *Film Over Texas*, Sept., p. 40.  
Brubaker, C. W.: *A Multi-Purpose Field-house*, Jan., p. 7.  
Constantz, Quinn: *The Tape Recorder As a Coaching Aid*, Jan., p. 36.  
Cornish, Geoffrey S.: *Turfing New Fields*, Jan., p. 52.  
Dudley, W. A. (Barney): *A Model H. S. Physical Ed Plant*, Jan., p. 12.  
Frid, Victor A.: *The New Windsor Gym*, Jan., p. 16.  
Shouse, John D.: *Purchase of Football Equipment*, Jan., p. 28.  
Smith, Darrell J.: *Outdoor Facilities Tailored to the Program*, Jan., p. 11.  
Teague, Eddie: *A Low-Cost Blocking Sled*, Jan., p. 58.  
Thorn, Robert E.: *Rec Building Supreme*, Jan., p. 8.

\* \* \*

- Floods That Pay* (National Survey), Jan., p. 20.  
*Portable Basketball Floor*, Jan., p. 38.  
*The Dual Franklin Field Track*, Jan., p. 44.  
*New Equipment*: Sept., pp. 56, 58; Oct., p. 38; Jan., pp. 24, 34; Mar., p. 34; May, p. 30.

## FOOTBALL

- Anderson, Clary: *Fit the Formation to the Material*, Sept., p. 26.  
Bartolomeo, Paul: *Simplified Multiple Offense for H. S. Teams*, May, p. 11.  
Bruno, Larry: *The Fan Huddle*, June, p. 20.  
Clausen, Dick: *Three Basic Essentials of the Split T*, June, p. 46.  
Coviello, Joe: *Simplified Rule Blocking*, June, p. 16.  
Davis, Al: *Maximum Variety in Your Backfield Patterns*, May, p. 12.  
Dollar, Joe, and Case, Robert: *The Y Belly Formation*, June, p. 7.  
Golden, Johnnie: *Trap Passes and Patterns*, Sept., p. 6; *The Beginning Coach Plans His Season*, May, p. 22; *Organization-Passing-Ride Plays*, June, p. 12.  
Graham, Otto: *Quarterback Ball Handling*, Sept., p. 11.  
Greenich, Duke: *Returning the Punt and Kick-Off*, Sept., p. 60.  
Griffin, R. P.: *Blocking and Tackling*, May, p. 7.  
Haddad, Mike: *Drills for the Secondary*, Sept., p. 74.  
Handy, Donald T.: *Improved Football Officiating*, Apr., p. 42.  
Klein, Chuck: *A Complete Passing Attack*, Sept., p. 9.  
Macrini, Tom: *100 General Tips to 100% Football*, May, p. 32.

- Merritt, Roy: *Punting the Mills' Way*, Sept., p. 22.  
Santo, William M.: *Beat the Split T with a Stunting Defense*, Sept., p. 20.  
Sifford, Darrell: *Play-by-Play Charting*, May, p. 26.

\* \* \*

- Football Rules Changes (High School and College)*, 1955, Feb., p. 30.  
*1954 All-American H.S. Football Squad*, Feb., p. 46.  
*1954 State H.S. Football Champions*, Mar., p. 52.  
*T Qb Mechanics*, Otto Graham Style, June, p. 10.

## LACROSSE

- Moore, Alan and Waglow, I. F.: *Fundamental Lacrosse Skills*, Apr., p. 24.

## PHYSICAL ED-COACHING

- Baer, Roger: *Common Problems in Physical Ed Classes*, Apr., p. 50.  
Buttler, William P.: *A Sports Publicity Class*, May, p. 36.  
Bjelich, Steve: *Unique Coach's Pay Scheme*, Nov., p. 52.  
Connor, Tom: *Varsity Athletes Make Superior Scholars*, Nov., p. 56.  
Copeland, Dodd: *Songs, Games, Dances Make a Gym Show*, Dec., p. 26.  
Donn, Henry F.: *Health Reminders*, June, p. 52.  
Fait, Hollis: *A Check List for Coaches*, Nov., p. 28.  
Griffin, J. H.: *All Around Athlete Tests and Standards*, Nov., p. 54.  
Ryser, Otto E.: *A Brief for Formal Gymnastics*, Oct., p. 30.  
Sharp, B. E.: *The New Knoxville Decathlon*, Sept., p. 16.  
Spark, Raymond E.: *Athletics for All Through Intramurals*, Oct., p. 52.  
Swegan, Don: *Graduate Work for Coaches*, June, p. 42.  
Wilkow, Harry: *Sports Brochures, Good Public Relations*, Nov., p. 40.

\* \* \*

- The Coach's Pay* (Nationwide Survey), Sept., p. 44.  
*Tag-Rag Football*, June, p. 37.

## SIX-MAN FOOTBALL

- Novak, Len: *Six-Man Position Defense*, Oct., p. 46.

## SKIING

- Eagelson, William A.: "Why We Stress Traversing," Nov., p. 16.



## SOCCER

- Smith, Stanley E.: *Score More Goals*, Oct., p. 22.  
 Warner, Glenn F. H.: *Screening the Soccer Squad*, Sept., p. 42.  
 Yonker, D. Y.: *Individual Defensive Soccer Skills*, Oct., p. 50.

## TENNIS

- Klotz, Don: *Steady, Heady Tennis*, Apr., p. 38; *Practice Don't NOT Make Perfect*, June, p. 38.  
 Kraft, John A.: *16 Common Mistakes in Tennis Stroking*, Mar., p. 7.  
 Talbert, Billy: *Trabert's Backhand Volley*, May, p. 39.

## TRACK AND FIELD

- Arnesen, Arne U.: *Pole Vaulting Elements*, Mar., p. 14.  
 Doherty, Ken: *Breaking Through the 4-Minute Barrier*, Feb., p. 12.  
 Dolph, Jack: *An Electric X-Country Coach*, Oct., p. 35.  
 Greene, Pinky: *Develop Those 220 Men*, Mar., p. 30.  
 Hacker, Rich: *Dick Dailey, Schoolboy Jumping Wonder*, Mar., p. 24.  
 Keller, Paul R.: *The Two-Second Hold in Track Starting*, Feb., p. 48.  
 Kintisch, Irving L.: *Weight Training for Weight Men*, Feb., p. 7.  
 Little, James H.: *How to Interest More Boys in Track*, Dec., p. 37.  
 Lumian, Norman C.: *Simplified X-Country Timing*, Oct., p. 36.

- Marzucco, John: *The Best Start of Your Life*, Apr., p. 20.  
 Miller, Bill: *Scouting Track and Field*, Apr., p. 16.  
 Nelson, Bert: *Parry O'Brien, Form and Training*, Mar., p. 8; *Ernie Shelton, Techniques and Training*, Apr., p. 56.  
 O'Connor, W. Harold: *Phil Reavis, Schoolboy Jumping Wonder*, Mar., p. 24; *Mental Readiness in Track*, Apr., p. 30.  
 Snyder, Larry: *Mal Whitfield, Mr. 880*, Mar., p. 12.  
 Winter, Bud: *Strategy in the Mile Relay*, Apr., p. 64.

\*\*\*

- 1954 All-American H. S. Track Team, Sept., p. 82.  
 European-Style Hammer Throwing, Oct., p. 62.

## TRAINING

- Cureton, Dr. Thomas K.: *Wheat Germ Oil, The Wonder Fuel*, Mar., p. 36.  
 Doller, Dr. Joseph: *Simple Foot Pads*, Oct., p. 44.  
 McPhee, Dr. Harry R.: *Neck Support for Football*, Sept., p. 30.  
 O'Donnell, Edward D.: *An Analysis of Sprains*, Dec., p. 14.  
 O'Donnell, Edward D. and Krehl, Dr. William A.: *Diet and the Athlete*, Sept., p. 36; *Ideal Meals for the Athlete*, Nov., p. 48.

\*\*\*

- A Formula for Knee Treatment*, Apr., p. 32.

## VOLLEYBALL

- Odeneal, William T.: *Offensive Volleyball*, Nov., p. 36.

## WRESTLING

- Sparks, Raymond E.: *Status-Data Card for Wrestlers*, Feb., p. 22.

## SPECIAL DEPARTMENTS

*Here Below* (page 5 editorials): *The White Football*, September; *A Couple of Hard Knox*, October; *Touchdowns and Tuna Fish*, November; *24 Seconds to Heaven*, December; *Character Personified*, January; *Sliding Down the Bannister*, February; *Those Long-Term Contracts*, March; *They Also Serve*, April; *Nice Guys Finish First*, May; *Reading Between the Lions*, June.

*New Books on the Sport Shelf* (Reviews): Sept., p. 87; Oct., p. 58; Nov., p. 44; Dec., p. 34; Feb., p. 34; Mar., p. 66; Apr., p. 52; May, p. 42; June, p. 55.

*Coaching School Directory*: Apr., p. 67; May, p. 51.

*Coaches' Corner*: Sept., p. 64; Oct., p. 48; Nov., p. 50; Dec., p. 24; Jan., p. 56; Feb., p. 32; Mar., p. 48; Apr., p. 44; May, p. 44; June, p. 44.

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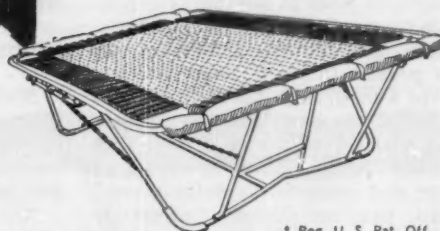
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# Practice Does NOT Make Perfect

By **DON KLOTZ**, Tennis Coach, University of Iowa



**P**RACTICE makes perfect!" is a slogan you can find almost anywhere. In essence, it means that faithful effort is required to achieve a high degree of skill.

The fact remains, however, that practice does not make perfect! Not unless (1) the particular phase of the game which you're practicing is done in good form; (2) intense and sustained concentration on the task is maintained; and (3) the length of the practice period is limited to your ability to use it profitably.

A boy, with whom I was working the other day, told me that he practiced six hours a day.

"Norm," I replied, "I'm afraid you are on the courts six hours a day, but not practicing properly during most of that time. For instance, you are extremely late in 'getting set' for each stroke. Apparently, your method of 'practice' has done a fine job of 'making imperfect' your preparation for your strokes.

"You should be watching the ball right off your opponent's racket so that you can begin preparation for your next shot at the earliest possible moment; but you seldom begin moving into position before the ball has passed the net. Then you attempt a long, high backswing when actually you have time for only a very short backswing, if any. Day by day the bad habit is becoming more and more firmly established."

No, practice doesn't necessarily make perfect. (1) You should be striving toward form that is mechanically sound. (2) You must concentrate intently while practicing.

(3) You must spend time enough on some phases of the game each day to show progress but not so long that it becomes drudgery. Let's examine these three items one at a time.

You should be striving toward form that is mechanically sound. How are you to know whether you're practicing in good form? The best answer is to have your performance observed by a competent coach, an established tennis professional, or a fine player who knows tennis thoroughly and can also teach it. There's just no satisfactory substitute for an overseer who's available day after day for help on your tennis problems.

The next best thing is to read, see movies, or watch fine players carefully. Get before a mirror and observe yourself. You may be able to analyze and evaluate well enough by yourself, but it is likely to be a long, tiring, and often frustrating process. If you get into a great deal of tournament play, other players will help you. Be on the alert to learn.

## POINTS OF OBSERVATION

Some parts of your game lend themselves easily to simple and careful observation. For instance, do you find your weight on your back foot after each stroke?

Are you sidewise to the net most of the time on ground strokes?

Are you using muscle on your ground strokes or swinging the racket smoothly?

How often is your first serve coming into the court?

How many shots out of ten can you hit in any particular area of the court?

What is your percentage on over-heads?

How many lobbs can you hit into the back twelve feet of the back court?

Are you moving into position before the ball has passed your opponent's service line?

How many times out of each five strokes are you really "set" for the shot?

You don't need an expert to evaluate such simple performances for you. He may be able to help you with the mechanics involved, but you can do such simple observations yourself. You can measure your progress quite satisfactorily, too, by percentages such as these.

Half-hearted effort will get as its reward "half-baked" results. Generally speaking, we get what we pay for. Concentration, sustained concentration, like all our other skills can be developed by day-after-day effort just as running endurance can be developed. It requires mental and physical effort.

Mental "muscle" like physical muscle can be built to amazing strength by regular and purposeful practice. All great players have been masters of concentration, regardless of their strokes, footwork, or style of game. Cut out idle conversation once your practice drill begins. Put your mind exclusively on the job at hand. You can be positive that it can be done.

Likewise, you can be certain that you won't get the job done in one day, one week, or one year. Progress should be steady for you, however, if you're willing to pay the price all great performers have paid —**HARD WORK!**

Let me warn you emphatically that you will need patience and de-

Reprinted from the country's No. 1 tennis magazine, *World Tennis*, published and edited in New York City by Gladys M. Heldman.



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termination and plenty of both to show improvement in your ability to keep your mind intently on your practice, to concentrate. It requires mental effort, something to which most players seem to show a very high natural resistance.

I base most of my teaching on an intense concentration by the pupil on a point of aim for each shot. The results are often spectacular, to say the least, but what a problem it is for me to secure that intense and sustained concentration from them! So I know what kind of struggle you're facing without a coach to incessantly encourage, inspire, and drive you to a higher level of achievement.

The proper amount of time to be spent on any item is something, I think, you can determine quite well for yourself. How long shall we work on a forehand drive just for depth, for instance?

Most of you have wrist watches or else your opponent will have one. Take note of the starting time for practice on this forehand drive for depth. Work hard, now! Just a forehand drive for depth, not six other items included, and no idle visiting while you are hitting. *Concentrate!* You should be able to go much longer than ten minutes on a single item, of course, but can you? I doubt it!

What about cross-court forehand, and backhands down the line next? Ten minutes? I hope you can, but once more I doubt it. The ability to sustain effort and concentration can be built by regular and conscientious practice. It develops just like running endurance, but you *have* to work for it!

The point I want to make is that you shouldn't continue to hit any one shot or practice any one item or patterns of shots much beyond the time at which your interest will lag. When the practice becomes dull, go hard for a couple of minutes more and then go to work on something else. In this way you can gradually build the ability to sustain effort.

All great performers in any area of life have been drill masters. This goes for coaches, too. All highly successful coaches are demons for drill until fundamentals are letter perfect. When your interest in practice begins to lag, go hard for another five minutes, and then play sets—but drive hard to increase the length of a profitable practice period day by day.

Practice beyond the point at which your interest lags is likely to be worse than a waste of time; for you will become careless and proceed to break down the improve-

ment you have just attained by intense effort. Practice *does not necessarily* make perfect!

It is possible, of course, to combine two or three items in one practice drill. For instance, we begin the rally with a serve and then rally for depth until one of us hits short. Then we move in to attack at the net. This leads to an opportunity to pass or lob. But don't include too many items in each drill or you won't derive the benefit that comes from many immediate repetitions of any one item.

All of your practice periods will have to include teamwork with your opponent. He may need practice on drop shots while you want to improve the depth of your drives. Such differences in desires can always be solved by an adjustment of your plans.

As an example, he could drive with you until you hit short and then attempt his drop shots. You could include practice on a defense against them and try a few yourself as a counter measure.

## STALENESS

### THE COACH'S BUGABOO

**S**O-CALLED staleness may stem from a mental complex—a lack of being able to concentrate 100% on the game. It could be trouble at home or with a girl friend, or worry over studies, or squad friction.

Staleness may stem from other causes—overwork, bad teeth, lack of sleep, irregular eating habits, overconfidence or an inferiority complex, or injury—all resulting in a lack of enthusiasm.

If an entire squad seems stale, it's very likely due to overwork or lack of variety in practice—a monotony of repetition which dulls the mental processes.

Quite often youngsters take offense at some comment or criticism regarding their play. Psychologically, they build up a complex which takes part of their time and energy. In college they gripe to the trainer, and it's his job to placate them. In high school they just continue to stew.

Staleness has become one of those intangibles of sports. It's even experienced in tennis and golf. It's unquestionably contagious, and the alert coach will be constantly on the lookout for it and will try hard to combat it, usually by eliminating routine and monotony for a few days.

—The First Aider

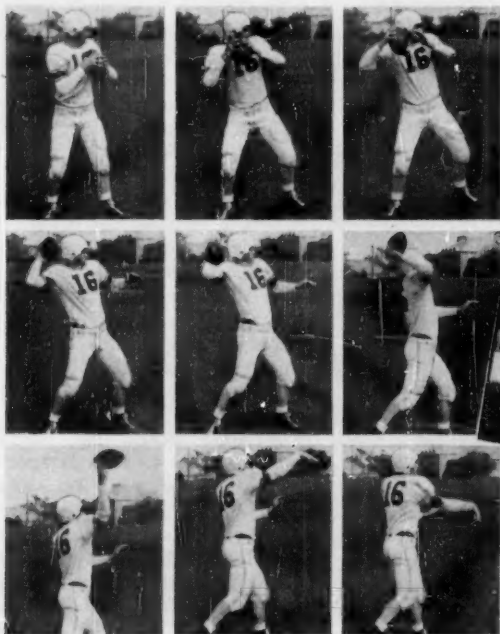
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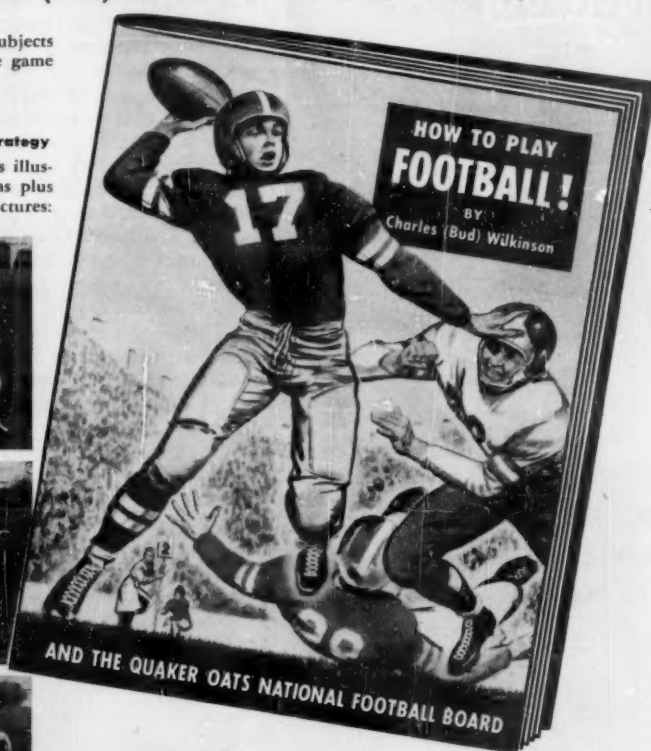
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## GRADUATE WORK FOR COACHES

By **DON SWEGAN**

Asst. Basketball Coach, Penn State U.

**A**LL coaches, young and old alike, are faced each year with the problem of how best to spend their summer vacation months.

Unfortunately, for too many people in the educational profession, the hard facts of economic necessity make a summer job absolutely imperative. So that to many of the coaches, the problem resolves into finding a job that will pay the most money and thus reduce some of the debts accrued during the school year.

However, many of our colleagues in the coaching profession are in a position where they might honestly evaluate the future and make a decision between obtaining a summer job and taking graduate work. It is for the latter group that this article is written.

An argument commonly advanced against "wasting" the summer on advanced schooling is that of the salary differential. This argument reasons that the average coach could make \$600 in a summer job, whereas he would have to spend at least \$200-\$300 for summer school expenses. Allowing four summers to complete the master's degree, which is about average, the typical coach would have to sacrifice approximately \$3,200-\$3,600 over that period.

Since the average salary schedule allows only about \$200 more for holders of master's degrees, it would appear that the cost of such a degree would take 16-18 years to make up in salary increments. The number of years required to make up the salary differential would, of course, vary with local conditions—such as the availability and rate of pay of summer jobs, the salary schedule, and proximity to institutions offering graduate work.

On the surface, it certainly appears that the salary differential argument carries weight. However, let's look into a few of the facts which nullify this argument.

First, it's a known fact that very few teachers spend their entire careers in one school system. Mobility has become an important educational factor in the decade since World War II.

The rising costs of living have forced a slow though gradual increase in teachers' salaries in the post-war years. Many states, through minimum salary schedule laws and other financial boosts for teachers, have made strong bids for the teaching services of educators in less fortunate states. Thus, the financial inducements available in other states and communities have caused most teachers to be considerably more mobile than they were in the pre-war depression period.

One of the traditional evaluative measures used by administrators and school board officials in hiring teaching candidates is the individual's educational background. Very few objective measures of a teacher's worth exist at the present time. For this reason, one of the most tangible measures of the teacher's value will probably always be his educational record on the undergraduate and graduate levels.

It would therefore appear that the young ambitious coach who wants to advance, financially and professionally, should get started on graduate work as soon as possible to make himself eligible for consideration.

A second factor which nullifies the salary differential argument is the tremendous influx of students in the elementary schools. This will create a crisis in American education in the 1960's and 1970's.

Countless new school buildings and college facilities will have to be staffed with the best available personnel. And many excellent teaching, coaching, and administrative positions will undoubtedly be available for those ambitious individuals willing to make a few financial sacrifices now in return for security and professional satisfaction in the not-too-distant future.

The emotional nature of the coaching profession presents a third argument in favor of graduate work.

(Continued on page 53)

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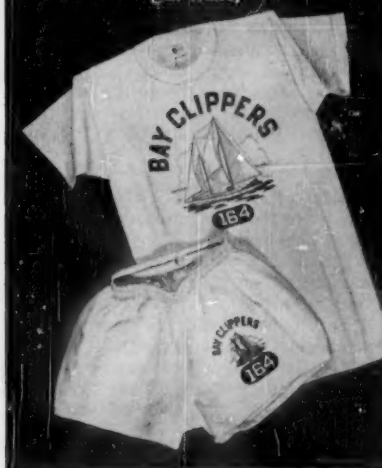
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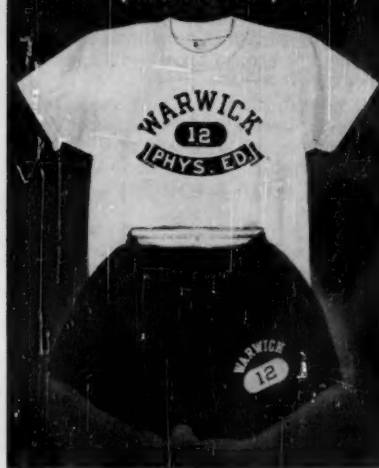
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# COACHES' CORNER



**T**HIS GEM of the purest bray serene was passed along to us by Paul Hariow, athletic director at Newark (Ohio) High School. Written by a sophomore basketball reserve as an assignment for his English class, the essay offers a delightfully wry excursion into the techniques of bench sitting—in a manner reminiscent of the late Bob Benchley.

## How to Warm the Bench By LEE KENNEDY

When my English teacher recently asked me to write an essay, I was stuck for a subject. So I dug into my English handbook for inspiration. It said: "Choose a topic on which you're well versed."

That struck a bell. If there's one subject on which I'm well versed, it's how to ride the bench. My qualifications speak for themselves: During the past two years, I have spent approximately 85 hours sitting on the bench, while my luckier and more talented chums have been giving their all for the dear old alma mater.

Well, so much for the preliminaries. Now let me expand a little on the actual art. To be able to sit the bench properly, you must have the following qualifications:

1. You must have practically no talent. And if you do, you must be careful to keep it hidden or you might have the awful experience of having the coach put you in.
2. You must have highly developed hind quarters; for, in this art, that's the part of you that takes the wear and tear (plus the numerous splinters).
3. Last, but not least, you must have a highly trained voice, for it's the duty of the bench to aid the cheerleaders in spurring the team on to greater heights.

If, after carefully examining yourself, you find that you possess these qualifications, you have a good chance of becoming at least an average benchwarmer.

I shall now elaborate on how to assure yourself of a permanent place on the bench.

First, you must constantly be on guard against showing any improvement during practice. If you do, the coach will surely try to develop you into something resembling a ball player. This is what all benchwarmers have nightmares about.

Next, it will aid your cause immensely if you can somehow disgust the coach or arouse his ill will against you.

I'll now disclose some of the trade secrets for accomplishing this not too difficult feat. As these are of a highly secretive nature, I'll leave it to your discretion not to betray them to any outsider.

One very successful method is to let the coach catch you breaking training rules. This will either get you kicked off the team or sat down on the bench for quite a period of time.

If for some reason this fails, another good one is to never pay attention to what the coach is saying.

The last, but one of the most effective means, is that of playing dumb; that is, wearing a look of complete ignorance on your face which belies the fact that you have an ounce of brains.

One must not get the idea that a benchwarmer's life is not an enjoyable one. There comes a time during the half-time period or the pre-game warmups when the boys of the bench are allowed to exhibit their meager talents. This is done mainly to assure the public that they have some reason for wearing the school uniforms, and are not just charity cases.

This, plus the excellent food which they so joyously consume at the expense of the athletic department and the fact that just being on the team tends to impress the opposite sex, makes life most enjoyable for the benchwarmer.

All in all, I can think of just one thing more enjoyable than warming the bench, and that is NOT warming the bench!

**Frank Shea**, the Washington hurler, is acquainting his little boy with the facts of life these days. Coming home from the park one day, Frank overheard his son talking to Pete Runnels Jr.

"My Dad is a boxer," proudly announced Shea Jr.

"Oh no he's not," replied Runnels Jr. "He plays baseball with my father for the Nats."

"You're wrong," was Shea Jr.'s clincher. "I listen to the radio and the man always says, 'There goes Shea, he's been knocked out again.'"

*As usual*, Dusty Rhodes laid 'em in the aisles with his talk at the U. of Alabama. Later on, a professor came over and asked Dusty where he had gone to college.

"Professor," replied Dusty, a Rhodes man if not a Rhodes scholar, "this is the first time I've ever set foot on a college campus. As a matter of fact, I had a little trouble with grade school. Why, when I was promoted to the second grade, I was so nervous that I didn't dare shave for a couple of days."

*It's no secret* that two of Florida's football coaches are feuding. Florida State's attempt to schedule the U. of Florida evoked these terms from the Gators coach, Bob Woodruff—that State adhere to Southeast Conference rules and that all games be played on the Gators' home field.

State Coach Tom Nugent's wistful answer was, "I'd like to request that I be allowed to name my own starting lineup."

**Freddie Fitzsimmons**, the Giants' coach, is one of the happiest married men in baseball, and his wife, Helen, still chuckles over how she "bagged" him. Helen lived in Indianapolis back in her younger years, and one year a little colony of ball players moved into a vacant house across the street.

All of the boys started making eyes at pretty Helen—except for Freddie, who remained indifferent. Naturally Helen was intrigued. One afternoon she made up a batch of fudge and sent it over on a plate. Sure enough, an hour or so later the empty plate was returned—by Freddie.

"Gee, I'm happy it was you who returned the plate," gushed Helen.

"Well, we drew straws to see who'd return it," explained Freddie.

"I'm awfully glad you won," remarked Helen.

"Lady," answered Freddie, "I LOST."

*In a small high school* near Philadelphia, the track coach and the baseball coach compete each spring for the available material. It's a friendly rivalry and each resorts to everything short of kidnapping to entice the best prospects.

A few years ago the track squad had a good day in a local relay carnival and brought home a dozen medals. By way of a little public relations, the track coach, to entice future can-



didates, put the medals on the school bulletin board. Below the medals appeared a sign:

*Win a Medal for Your Girl Friend!  
Come Out for Track!*

The next day the students were two-deep before the bulletin board. The day after, the crowd was four-deep. Gratified, the track coach broke through the crowd. On the space next to the medals were a printed sign and two newspaper clippings:

*Joe Marries Marilyn!  
Ted Signs for \$100,000!  
Come Out for Baseball!*

(Submitted by William F. Monahan, Tredyffrin-Easttown H. S., Berwyn, Pa. P.S. I am the track coach!)

"During the past basketball season," writes Coach Jack Holley of Ringgold (La.) H.S., "we took our team on a 2000 mile western tour, playing games in Dallas, Tex., and Hobbs and Carlsbad, N. Mex. Our kids loved it, and we'd like to make it an annual affair.

"Next season we'd like to tour some of the southeastern states during December 17, 19, 20, 21, 22. If anybody is interested either in playing in Louisiana or playing host to us in his state, you can contact me (Jack Holley), Box 122, Ringgold High School, Ringgold, La."

If your state rules permit, here's a good chance to give your kids a glimpse of the world.

**Pin-point marksmanship**, culled from *Baseball Digest*:

Dusty Rhodes: "Then there was the fellow who owned a home, bar, and a wife before the World Series. He bet on Cleveland and lost all three. I told him I could understand his losing his house and bar, but couldn't figure how he could lose his wife on a ball game. 'I'm just lucky, I guess,' he said."

Birdie Tebbetts' scouting report on a pitcher: "Major league stuff and great arm; screwy in head; eliminate head and I'll recommend him; get good surgeon."

Billy Goodman, Red Sox infielder, when asked which side of the bat he holds up when batting—the label or the blank side: "When I go up to bat, I go to hit, not to read."

When Casey Stengel was managing Toledo, he once started his wild man, Roy Parmelee, in the hope of peddling him for a large bundle of cash to one of the big league scouts looking on.

Parmelee began walking everybody in sight. Then, with the bases full, a batter hit him on the left hand with a line drive. As Roy began shaking his injured member, Stengel rushed out of the dugout.

"Shake your right hand," he ordered.

"But I was hit on my left hand, and anyway it isn't really injured," protested Parmelee.

"Make out like it's your pitching hand," Stengel muttered. "I want to get you out of here gracefully."

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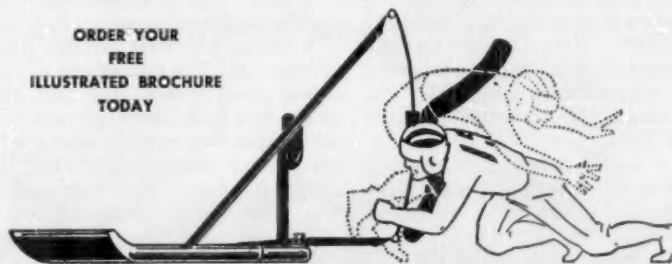


Coach "Stu" Holcomb of Purdue supervising his varsity tackles working on the Crowther machine.

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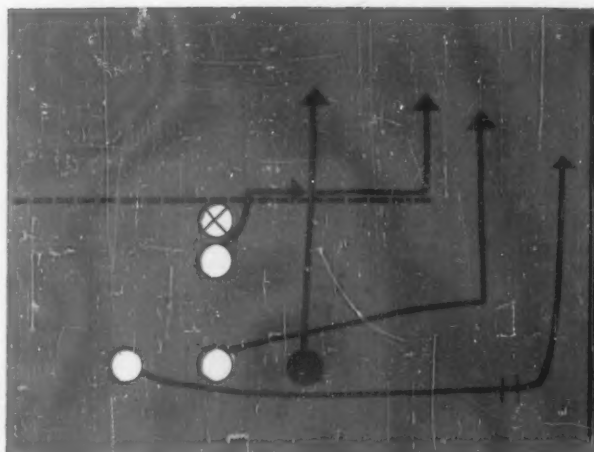


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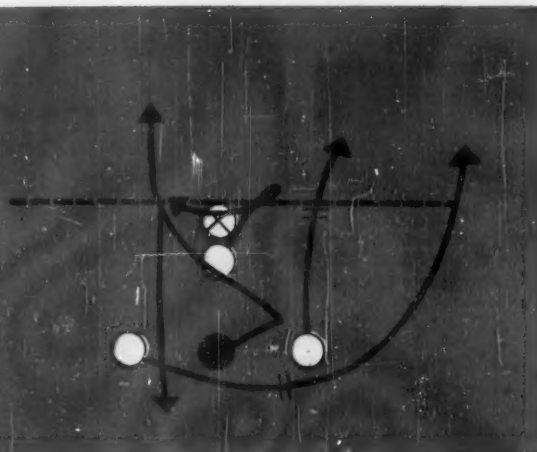
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Diag. 1, handing off on or beyond scrimmage line.



Diag. 2, ball exchange on fullback counter play.

## Three Basic Essentials of the Split T

**A**FTER approximately 10 years of experience with the Split T, coaches now know exactly what makes it tick. Before elaborating on these basic essentials, the writer would like to scout the term Split T.

This is a misnomer. A number of formations use line splits, some with wider spacing than the so-called Split T. *Sliding T*, with reference to the lateral movement of the QB, would be a more accurate name for the formation.

It should also be mentioned that all Split T protagonists have directly or indirectly gained their knowledge from its ingenious originator, Don Faurot of Missouri. This writer has also had the benefit of contact with another Split T magician, Bud Weir of Oklahoma.

In all formations, the Split T will rise and fall with the quality of the personnel. However, it possesses three special characteristics that make it distinctive, if not pretty much different from any other system of play. If these aren't clearly understood and mastered, even good personnel will have trouble operating the Split T successfully. They are:

1. The ball-handling must be kept on the line of scrimmage.
2. The play will often be changed after the ball is snapped.

3. Split T is a *chewing formation* (short gain game).

**Keeping the ball on the line of scrimmage.** The QB works laterally down the line with the ball on all plays. The ball exchange on a handoff is made on or even ahead of the scrimmage line (see Diag. 1).

The FB Counter ball-exchange is also made on or ahead of the line of scrimmage (Diag. 2). To accomplish this type of handoff, the offensive line must control the path of the QB plus one yard.

In the Bears' T, the ball is retreated and the handoffs are normally 3-3½ yards back, while in single wing and short punt the ball is passed back 4-6 yards on the snap. Obviously, whenever the ball is thrown backward, it must be returned to the line of scrimmage before any gain can be registered.

To sum up Split T philosophy in a nutshell, then: *By keeping the ball on the line you can't lose ground.* Even if the play is unsuccessful, the worst you should get is *no gain*. In other formations, a bad play usually means a loss of 2-5 yards. It is our belief that with equal personnel you should get more first downs and total yards than your opponent.

**By DICK CLAUSEN**  
Head Coach, Coe College

You should thus be able to win more games.

Keeping the ball on the line of scrimmage produces some knotty problems. It's imperative that you *beat the defense to the punch, but don't beat the ball!* In other words, it's essential to preserve the reaction-time advantage of offense over defense—the offense has this time advantage only because it knows the starting count.

Remember, it's impossible to control the line of scrimmage with a one-on-one block unless the offense maintains its natural reaction-time advantage. The defense will react to your first move, or the move of the ball, or both.

For example, if the center snaps the ball a fraction ahead of the offensive line charge or snap count, the defense will charge on the move of the ball—and the offensive line will thus have lost its reaction-time advantage. The offense will be fortunate to get a standoff under those conditions.

Needless to say, it takes many hours of cadence drill to perfect the starting count. We know of no other way to do it properly for the Split T.

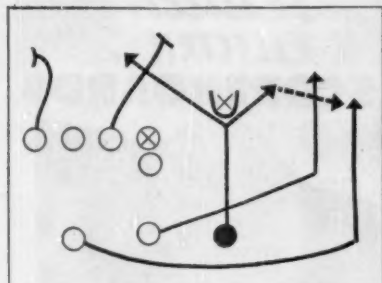
It is also necessary for a Split T team to execute a straight lineup, with all linemen up on the line of scrimmage. The center must make a far reach for the ball to pull everyone up, so that the feet aren't protruding into the backfield area. Anything that causes the QB to detour from a lateral line will greatly hinder Split T execution.

**Changing the play after the ball is snapped.** In other words, the offense reacts to the movement of the defense.

On the option play, the QB will

pitch or keep after determining the play of the defensive end.

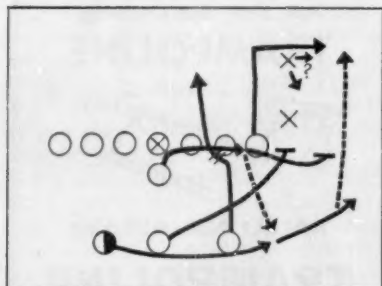
After receiving a handoff, the HB may veer sharply to right or left, depending upon the position of the blocker and the reaction of the defensive man (Diag. 3).



Diag. 3, hb veers right or left.

When teaching our running passes, we tell our QB or HB:

"This is a run, but if you are bottled up there are receivers in the area designated by the pattern number. As you come across with the ball, keep your eye on the defensive HB. He's been told by his coach to meet all wide running ball-carriers on the line of scrimmage. But he has also been told never to come up with a pass receiver down in his area. If he stays back, continue your run. If he moves up, you will throw. It's impossible for him to do the right thing, if you perform your job properly!" (See Diag. 4.)



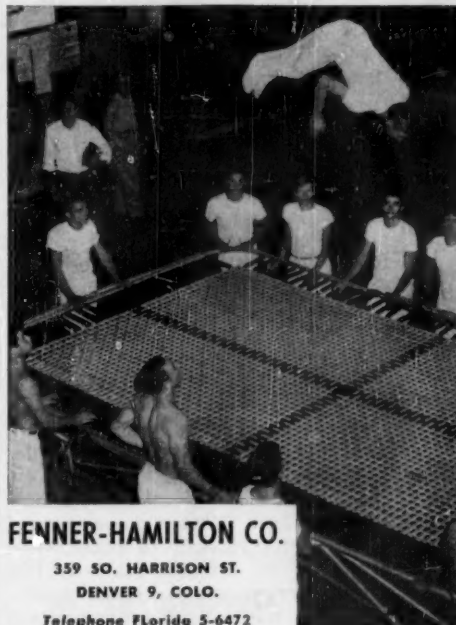
Diag. 4, Split T running pass.

Regardless of any play that may be called, the QB always has the option of keeping the ball and running whenever he sees an opening.

The Split T is a chewing formation. In the past two or three years, as the Split T has gained tremendously in popularity, it seems apparent that many spectators, and even sportswriters and coaches, have viewed the offense as a demonstration of wide-open football.

I'm pretty certain, however, that the coaches who've used the formation over a period of years will agree that Split T is actually short gain football, with very few plays. It means executing 7-8 basic plays

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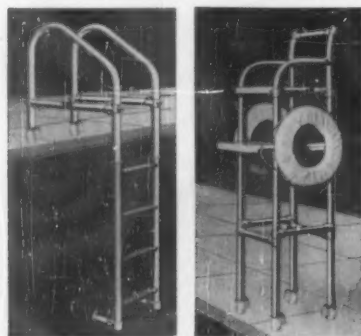


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with a minimum of error, keeping sustained drives going until the end zone is reached—grinding 3-4 yards at a crack, time after time without fumbling.

We believe you can get 3-4 yards on most plays by keeping the ball on the line of scrimmage—a good HB should fall for 2-3 yards when hit on the line. The long gainer is welcome, but actually incidental to the offense.

From a percentage viewpoint, we feel a normal offensive team should be good for 6-7 sustained drives per game. We must score two or three times from those attempts or we are dead.

Undoubtedly, people have gotten the wide-open idea from watching the pitchout, which appears to be a dangerous and spectacular maneuver, but actually is a well-controlled technique—thanks to proper training and practice. However, inexperienced QB's do have difficulty making the keep or pitch decision and will occasionally do some wild flinging with the ball.

Summarizing, it seems obvious that the Split T may possess some complexities foreign to other systems of play, though basically it's strictly commonsense football predicated on the age old fundamentals of good blocking, speed, reaction, and desire.

If your players thoroughly understand the foregoing principles, you have the foundation for a strong Split T attack. With equal personnel, we believe you'll make more first downs and total yards than your opponent—though that alone is no absolute guarantee of winning games.

## Rule Blocking

(Continued from page 16)

nents relinquish the ball to us.

We plan to run this play against any defense. If, however, we don't attain the necessary position to use that play, the quarterback orders the team to line up on the ball and then proceeds to call signals right on the line of scrimmage in the hope of exploiting the opponents' defense.

The real value of this technique (signal calling on the line of scrimmage) is that it forces the opponents to show their defense immediately, so that we don't have to guess at it while in the huddle. Once the enemy assumes his defense, our quarterback is more apt to run a play for yardage.

We're thus more apt to move the ball four to five yards and bring up a second down and five yards to go

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situation, then to hit for a yard and wind up with second down and nine yards to go. Consequently, our chances for moving to a first down, rather than kicking, are also good.

On short yardage situations on the goal line, we use set plays based on area blocking rather than men. The idea, borrowed from the old wedge, is to present a solid front at the attacking point to avoid getting thrown for a loss.

We employ automatics to exploit specific weaknesses. However, these are limited to specific situations. The liberal use of automatics in high school ball, I believe, leads to excessive loss of time and too much responsibility on the part of the quarterback.

We compensate for this by allowing the line to make adjustments to secure better blocking angles for the specific play called.

I'm planning to adopt the rapid card system as a means of improving the teaching of assignments. Each card will show a possible defense, and the boys will be asked to call his block the moment the card is flashed.

I believe this will help the boys recognize their blocks against changing defenses. The best time to teach this system of defensive recognition would be between practice sessions during our two-a-day pre-season practices and during our skull practices in the regular season.

You might be interested to know that Jim Tatum's famous system of rule blocking is predicated on a simple signal system which calls for all even numbered plays to be run to the offense's right and all odd numbered plays to be run to the left. The holes are numbered off the offensive linemen since they always line up in relatively the same position.



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"These suggestions are sound and, if followed, would aid immensely in eliminating many of the needless injuries which occur, thus making the game of football a safer and more protective one."

\*Quoted from the minutes of December 16, 1954, meeting of the Pacific Coast Athletic Trainers Ass'n.



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## The "Y" Belly

(Continued from page 9)

play, where the tailback going off tackle hands back to his end going wide.

Blocking is the same as in the Outside Break, except that the right fullback drives between end and tackle. He fakes receiving the ball on the line of scrimmage, then drives on downfield as a blocker. The tailback has the option of pitching to the left end or keeping, depending on the play of the defensive left end. The pitch should be made in 2.5 seconds or less.

**Diag. 10, End Around:** The right end must be fast to assure the success of this play. The center, after snapping to the tailback, turns down on the left defensive guard and blocks him to the outside. The left tackle blocks the defensive right guard to the inside. The left end blocks the defensive right tackle to the inside, while the blocking back and right guard lead the play up the hole.

The tailback and left fullback execute the belly maneuver as usual. But after reaching the break spot, the tailback hands off to the right end, who pivots counter-clockwise and receives the ball on his third step. The tailback then breaks to the inside (between the guards), faking an Inside Break.

In addition to the foregoing plays, we had a series faking or giving the ball to a fullback driving between end and tackle, and also a buck lateral series. It should be pointed out, however, that the buck lateral series can only be run to the right.

**Diag. 11, Fake Buck Pass:** This is a rather quick pass designed to keep the linebacker and halfback "honest"—from coming up too quickly. The tailback starts in with the full-

**T**HE authors developed this excitingly unique system while coaching at Philadelphia, Miss., during the spring and fall of 1953. They used it that season—and it worked a near miracle. Playing in probably the second strongest conference in the state, their team amassed a 9-1 record, scoring 365 points and averaging better than 450 yards per game rushing! And that's the complete history of the "Y"! Last season, Joe Dollar left the coaching field to become Superintendent of Schools at Okolona, Miss., while Robert Case entered private business.

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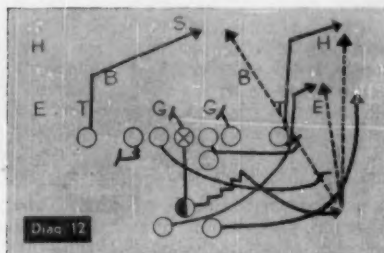
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back, keeping the ball. He then drops back quickly, sets, and throws. Different receiver patterns can be run.

**Diag. 12, Option Run or Pass:** Except for the fake to the left fullback, this play is almost identical to the single wing running pass. The option depends on the defensive reaction.



We experimented some with split lines and with traps. We toyed with the idea of using the blocking back as an occasional flanker, and also with the idea of using three backs behind the tailback instead of two. Another experiment involved running belly plays with the tailback on the outside instead of the inside.

It all looked pretty good and convinced us that it would take a long time to perfect the system and pick out the best. We finally decided that for us at least the plays as diagrammed worked best. But, as you can see, the system does present a lot of varied possibilities.

In closing, a note on the belly play may be in order. Its improvisation is generally credited to Eddie LeBaron, when that great faker was quarterbacking the College of the Pacific. The maneuver was subsequently seized upon by Georgia Tech and developed into a great offensive weapon.

(Ed note: The inside and outside bellies will be analyzed in detail next September by Frank Broyles, Georgia Tech backfield coach.)

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## HEALTH REMINDERS

By HENRY F. DONN, Weequahic H. S., Newark, N. J.

• **Calcium Deficiency.** Probably the most widespread mineral deficiency in the American diet is calcium deficiency. One of the chief reasons for this is the failure of so many people to consume an adequate daily ration of milk. For growing children, nutritionists recommend a minimum of 1½ pints (three glassfuls); for adults, a minimum of a pint (two glassfuls) a day. Coaches should constantly check the diets of their charges and encourage the drinking of milk or the consumption of milk products.

• **Diet and Dental Caries.** It's generally recognized that an adequate diet will lower the incidence of dental caries. The particular constituents of the diet which appear to be operative are calcium, phosphorus, and vitamin D. Good sources of these elements in the normal diet are bread, bran, egg yolk, fish, meat, milk, and cheese. Retention of partially digested particles of starchy foods between the teeth is considered a potent cause of dental caries. The use of dental floss and toothbrush after every meal will eliminate most of this cause of dental decay.

• **Perspiration.** Every normal human being perspires, especially during hot weather, while working, during emotional stress and during periods of certain illnesses. Perspiration or sweat is a colorless liquid, salty in taste with a distinctive odor that may be quite offensive to others. Its composition is 98% water and 2% organic substances which include salts, fatty acids, carbon dioxide, and urea, which is one of the end products of protein digestion.

One of the chief functions of perspiration is to cool the body. Each gram of water requires about 0.5 calories to cause its evaporation. This heat is taken from the body, and sweating thus helps the heat regulation process of the body. When the water evaporates, the solids remain and with them the malodor; hence the necessity for body bathing and changing of clothes, particularly underclothing after profuse sweating.

Many people use astringents, deodorants, and perfume to help counteract the bad odor of perspiration.

• **Excessive Consumption of Fruit Juices.** Although citrus fruit and citrus juices high in vitamin C content are necessary to good tooth health, excessive consumption may be harmful to tooth material. Dr. H. Hicks of the American Dental Association treated 50 cases that showed swollen gums which bled on pressure, loose carious teeth, and other oral illnesses, following long-term ingestion of excessive

amounts of citrus fruit juices and fruits.

After elimination of these fruits and juices from the diet and other methods of treatment, complete recovery followed in every case. Dr. Hicks considers two or three oranges or one grapefruit per week sufficient in view of the fact that vitamin C may be obtainable from other sources.

• **Proper Blowing of the Nose.** There's a definite hygienic procedure in blowing the nose. The handkerchief or preferably a piece of paper tissue should be held loosely over the nose and the nose blown very easily. The nostrils should not be held closed. It's better to sniff the mucus to the back of the throat and then spit it into a handkerchief.

The lining of the nose secretes a thin running mucus, especially during a respiratory infection. Some of this mucus reaches the back of the throat. Holding both nostrils pressed tightly while blowing the nose may cause air pressure to push the infected mucus into the tube which leads to the ears, thus spreading infection to the vulnerable inner ear.

• **Color Blindness.** The ability to see colors isn't a faculty possessed by everyone. A person totally color blind isn't able to see any color; all colors appear in various shades of gray. A person partially color blind isn't able to see red or green; all reds and greens appear to be a brownish gray color.

Color blindness isn't a disease, but a defect in the development of the eye. It is not curable, being an hereditary trait generally affecting only male members of a family. Approximately 4 to 5% of the male population is partially color blind and 1 to 2% are totally color blind. Color blind people compensate for their handicap by watching the action of those about them particularly in traffic situations, where ability to see colors is so important.

• **"Pep" Talks.** Did you ever wonder what was happening to your body as the coach was delivering a "pep-talk?" Definite physical changes take place when you become "keyed-up." The adrenal glands located near the kidneys release a substance called adrenalin. Adrenalin causes the liver to secrete more sugar than ordinarily used; thus the body has more than the usual supply of fuel to burn. Adrenalin also raises the blood pressure and causes the heart to work harder in supplying more oxygen to the muscles.

Athletes who are emotionally aroused generally are capable of heavy muscular exertion, enabling them to run faster, hit harder, and work harder.

## ATHLETE'S FOOT?

Don't Take Chances!

**ALTA-CO**  
KILLS FUNGI IN LESS THAN A MINUTE!

Every swimming pool, shower and locker room is a potential carrier of this painful disease. Stop it before it starts with low-cost ALTA-CO POWDER in your foot baths. Independent laboratory tests prove ALTA-CO kills all forms of fungi commonly found in Athlete's Foot in less than 60 seconds. Harmless to skin, towels, clothing.

ALTA-CO FOOT POWDER gives soothing, quick relief, guards against reinfection.

H. D. FUNGICIDE, economically diluted, gives Athlete's Foot protection to your shower and locker room floors.

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ALTA-CO TESTER  
EXCLUSIVE

Eliminates guesswork; helps  
keep your foot tub at full  
strength always.

*dependable*  
**DOLGE**

WESTPORT, CONNECTICUT

• **Tired Feet.** The arches of the feet support the weight of the body. Strained muscles in the feet or weak arches can be so uncomfortable as to spread the feeling of tiredness to the entire body. Overweight or prolonged periods of standing hasten the complete breakdown of the arches. Properly fitted shoes, special exercises, alternate periods of rest, hot and cold foot baths, and massage are helpful in maintaining good foot health. Mechanical supports may be used for weak arches only when prescribed and fitted by a qualified chiropodist (foot doctor).

• **Tarter on Teeth.** Brushing of the teeth will not remove the accumulation of tartar that forms on the surface. Tartar is a food-mineral formation that occurs on all teeth. The best way to get rid of tartar is to have your dentist remove it.

• **Withstanding Cold.** Humans differ in their ability to withstand cold. An important factor is the amount of fat found directly under the skin. For this reason, women can usually withstand cold better than men and fat people feel cold less than lean people. Another important factor is the rate of the body chemistry. This is governed largely by the secretions of the thyroid, a small flat gland located in the neck. Persons with deficient thyroid secretion, though fat, are apt to feel the cold severely; while persons with overactive thyroid, though thin, may not be highly susceptible to cold.

## Graduate Work

(Continued from page 42)

Most coaches, after a number of years of experience, reach a point where they must decide the future course of their careers.

Some choose to remain in high school or elementary coaching. Others go into college coaching. Many become public school administrators. Still others go into recreation or intramural work exclusively, while many give up coaching completely for full-time teaching positions or go into business or public life.

The young coach doesn't always visualize these changes occurring to him. But close inspection of most teaching staffs and community leaders would convince him that many coaches do alter their professional outlook as they get older.

If past history shows us that members of our profession do branch out into other areas or advanced levels, doesn't it behoove every ambitious young coach to prepare for the eventuality of changing his own career by getting as much preparation as possible?

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for you at YOUR price!

**OCEAN STANDARD starts at \$45.**

Most popular board ever built. Low price, high grade board of Douglas Fir lumber. Tips reinforced with cold rolled steel "blind" stitch bolts. Board is finished with new Polyrestys SaniTread eliminating need for Cocoa Matting. 8' to 16' lengths.

**OCEAN'S LAMINATED FIBERGLAS® DIVING BOARD starts at \$135.**

Improved flexibility and added "lift." Greater tensile strength because of FIBERGLAS... sunproof, waterproof. Wood core of finest Douglas Fir core, laminated with strongest glue. Face of board has slip preventative abrasive imbedded in plastic resin... no matting needed. Easy to keep clean, sanitary. Three year warranty.

No Ocean Laminated FIBERGLAS diving board has ever broken!

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BOX 33

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Write, phone or  
wire today for free  
catalogue and  
full information.

Graduate work, leading to the master's degree and in many cases the doctor's degree, certainly offers the most reliable means of advancing at the present time. Few college coaching or administrative jobs and high school supervisory or administrative jobs can be obtained without at least a master's degree, while a doctor's degree is becoming more and more in demand for many of the better positions.

Where does that leave the status of the problem before us?

We have shown that the salary differential is a strong factor in convincing many coaches and teachers that graduate work doesn't offer the advantages offered by a summer job. On the other hand, arguments in favor of taking graduate work are based on the increased mobility or tendency to move to better jobs, the forthcoming demand for qualified personnel in the 1960's and 1970's, and the nature of the coaching profession which causes many to seek other lines of endeavor.

It appears, on the basis of these factors, that any young coach who has faith in the future of our country owes it to himself, his profession, and his family to take graduate work if at all able.

### AVAILABLE OPPORTUNITIES

Numerous opportunities are available for young men who want to get advanced degrees. Most of our graduate schools have assistantships and fellowships open for those qualified. Many of the assistantships pay from \$800-\$1800 for a ten-month part-time position, and the student can get his graduate degree in the process.

The young coach would be wise to investigate some of these possibilities before too many family obligations make such an undertaking financially impossible. Some graduate assistantships call for assisting in coaching sport squads, and such experience often leads to staff positions at colleges and universities.

Above all else, graduate work can be an extremely rewarding experience. The graduate student can bring his own experiences into the classroom and exchange them with other students who have similar problems with which to contend. In the interplay of ideas, there comes a stimulation which can be very rewarding to the recipient.

The teacher-turned-student goes back to his classroom or athletic field in the fall with his mental batteries recharged. He won't make much money in the process, but it can be a lot of fun.

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washable, sanitary, dustproof—tested  
and approved. Duck texture, appear-  
ance and "feel." Stands hard wear.  
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Write for a new price circular.

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## New Books on the Sportshelf

- **INDUSTRIAL RECREATION** (A Guide to Its Organization and Administration). By Jackson M. Anderson. Pp. 304. New York: McGraw-Hill Book Co. \$5.

SUPERLATIVELY useful both as a textbook and as a practical guide for directors of employee recreation programs, this excellently turned out volume thoroughly covers the vital field of industrial recreation.

Part I covers basic definitions, values, growth and development, and recommended principles and policies.

Part II includes a discussion of the planning and initiation of the program and specific program activities.

Part III covers leadership, organization and administration of the employees' recreation association, finance, facilities and equipment, records and reports, public relations, liability for accidents, intercompany industrial recreation association, and evaluation.

The recommended principles, methods, and techniques presented in this volume have been selected after careful study of the best accepted practices, and are documented by references to intensive research studies.

- **1955 NATIONAL PREP FOOTBALL MAGAZINE**. Edited by Kurt W. Lenser. Pp. 72. Illustrated—diagrams and photos. Alhambra, Calif.: The Prep Football Magazine. \$1.

THIS 9" by 6" soft-covered booklet contains a lot of interesting technical and general material pertaining to schoolboy football (11, 6, 5, and 8 man games).

The contents include six technical articles on various aspects of play, an article on a sound intramural program, and interesting features on outstanding teams, players, coaches, and records for the 1954 season.

The book sells for \$1 per copy or 75¢ each when ordered in lots of three or more.

- **DO YOU KNOW YOUR BASEBALL?** By Hy Gittlitz. Pp. 205. New York: The Grosby Press. \$1.75.

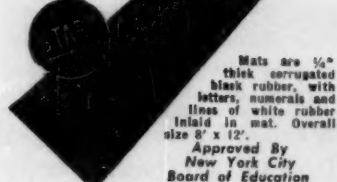
CONTAINING 500 questions and answers on rules problems, cases, and umpiring procedures, this book can serve as an invaluable supplement to the official rules guide. Coaches, umpires and players will find the answers to practically every knotty rule poser in the game.

An excellent subject index will help the reader locate any specific poser relating to pitching, batting, fielding, etc.

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To obtain free literature and sample goods, carefully check items desired and mail coupon directly to Scholastic Coach, Advertising Department, 33 West 42 St., New York 36, N. Y.

Numbers in parentheses denote page on which the advertisement may be found. Please check the items personally, and to be sure of getting the types of service or information you desire, refer back to the advertisement before checking the listing.

#### AALCO MFG. (48)

- ☐ Catalog of Complete Aalco Line of Sports Equipment

#### AMERICAN PLAYGROUND DEVICE (14, 48)

- ☐ Catalog of Gym Baskets, Basket Racks, Foot Baths, Dressing Room Equipment

- ☐ Catalog of Playground Equipment

- ☐ Catalog of Pool Equipment

- ☐ General Catalog

#### AMERICAN WIRE (55)

- ☐ Folder on Locker Baskets and Uniform Hanger

#### AUDIO EQUIPMENT (45)

- ☐ Literature on Power Megaphone

#### BIKE WEB

- (Inside Back Cover)
- ☐ Coaches and Trainers Handbook

#### BROWN, M. D. (49)

- ☐ Catalog of Electric Scoreboards for Football, Baseball, Basketball

#### CHAMPION KNITWEAR (43)

- ☐ 1955 Catalog of Track and Physical Ed Uniforms (See adv. for free gym suit sample offer)

#### COACHING SCHOOLS

Further information on

- ☐ Adelphi College (50)
- ☐ Beloit College (56)
- ☐ Ohio Football (50)

#### CONNOR LUMBER (54)

- ☐ Information on Layrite Gym Floors

#### CRAMER CHEMICAL (40)

- ☐ Information on Training Supplies and Textbooks

#### CROWTHER, RAE (45)

- ☐ Illustrated Brochure on Crowther Charging, Blocking and Tackling Sled

#### FENNER-HAMILTON (47)

- ☐ Literature on Gym Master Trampoline

#### GENERAL SPORTCRAFT (2)

- ☐ Official Game Rules Booklet
- ☐ Rules Booklets for Badminton, Deck Tennis, Shuffleboard, Table Tennis, Bat Tennis

#### HAND KNIT (42)

- ☐ Information on Wigwam Socks

#### HILLYARD CHEMICAL (39)

- ☐ Booklet, "How to Plan Your Gym for Favorite Sports Activities"
- ☐ Information on "Trophy" Gym Finish

#### HUSSEY MFG. (20)

- ☐ Illustrated Seating Catalog

#### KAHN, ARTHUR (51)

- ☐ Address of Nearest Uniform Maker

SEE PAGE 56 FOR OTHER LISTINGS AND FORM FOR SIGNATURE

## BELOIT COLLEGE COACHING CLINIC

AUG. 18-20 Beloit, Wis.

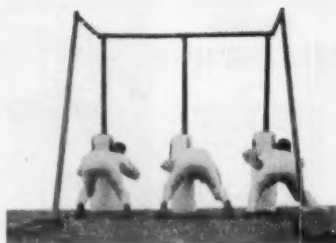
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## ADVERTISERS INDEX

AALCO MANUFACTURING COMPANY	48
ADELPHI COLLEGE COACHING SCHOOL	56
AMERICAN PLAYGROUND DEVICE CO.	14, 48
AMERICAN WIRE FORM CORPORATION	55
AUDIO EQUIPMENT COMPANY, INC.	45
BELOIT COLLEGE COACHING CLINIC	56
BIKE WEB COMPANY	3rd Cover
BROWN, M. D., COMPANY	49
CHAMPION KNITWEAR COMPANY	43
CONNOR LUMBER & LAND COMPANY	54
CRAMER CHEMICAL COMPANY	40
CROWTHER, RAE, COMPANY	45
DOLGE, C. B., COMPANY	50, 52
FENNER-HAMILTON COMPANY	47
GENERAL SPORTCRAFT COMPANY	2
HAND KNIT HOSIERY COMPANY	42
HILLYARD CHEMICAL COMPANY	39
HOOD RUBBER COMPANY & B. F. GOODRICH	18-19
HUSSEY MANUFACTURING COMPANY	20
IVORY SYSTEM	4th Cover
KAHN, ARTHUR, COMPANY, INC.	51
LEAVITT BLEACHER COMPANY	54
MacGREGOR COMPANY, THE	6
McKESSON & ROBBINS, INC.	15
NADEN & SONS ELECTRIC SCOREBOARD CO.	48
NATIONAL SPORTS EQUIPMENT COMPANY	54
NIAGARA MFG. & DISTRIBUTING CORP.	52
NISSEN TRAMPOLINE COMPANY	37
OCEAN POOL SUPPLY COMPANY	53
OHIO H. S. FOOTBALL COACHES CLINIC	50
PERFO MAT & RUBBER COMPANY, INC.	55
PHARMA-CRAFT CORPORATION	51
PROTECTION EQUIPMENT COMPANY	49
QUAKER OATS COMPANY	41
RAWLINGS SPORTING GOODS COMPANY	3
RIDDELL, JOHN T., INC.	2nd Cover
ROBBINS FLOORING COMPANY	47
SAND KNITTING MILLS CORPORATION	4
SEAMLESS RUBBER COMPANY	17
SNYDER TANK CORPORATION	53
TRACK AND FIELD EQUIPMENT SUPPLY	56
UNIVERSAL BLEACHER COMPANY	1
VIOBIN CORPORATION	50

## MASTER COUPON

(See page 55 for other listings)  
(Numbers in parentheses denote page on which advertisement may be found)

### LEAVITT BLEACHER (54)

- ☐ Catalog on Complete Line of Bleachers

### McKESSON & ROBBINS (15)

- ☐ Samples of Octofon for Athlete's foot

### NADEN & SONS (48)

Catalog on Electric Scoreboards and Timers for

- ☐ Football  
☐ Basketball  
☐ Baseball

### NATIONAL SPORTS (54)

- ☐ Price Circular on Jim-Flex Gym Mats

### NISSEN TRAMPOLINE (37)

- ☐ Literature on Trampolines

(See adv. for offer of sample pages from new book)

### OCEAN POOL (53)

- ☐ Catalog on Complete Line of Swim and Pool Equipment

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- ☐ Information on Palvonite Protective Football Equipment

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- (Inside Front Cover)  
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☐ Information on New Equipment Room Aids

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### SAND KNITTING (4)

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### SEAMLESS RUBBER (17)

- ☐ Complete Athletic Goods Catalog

### SNYDER TANK (53)

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### TRACK AND FIELD EQUIP. (56)

- ☐ Catalog of 20 Football Field Necessities

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